

MANUFACTURERS' RECORD

A Weekly Southern Industrial and Hardware Newspaper.

VOL. XI. No. 13.
WEEKLY.

BALTIMORE, APRIL 30, 1887.

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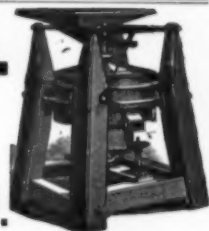
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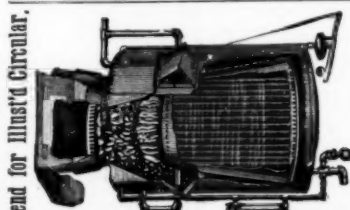
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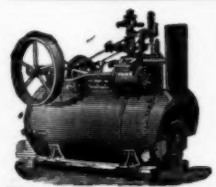
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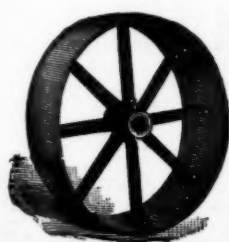
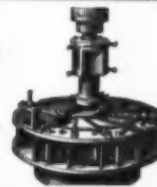
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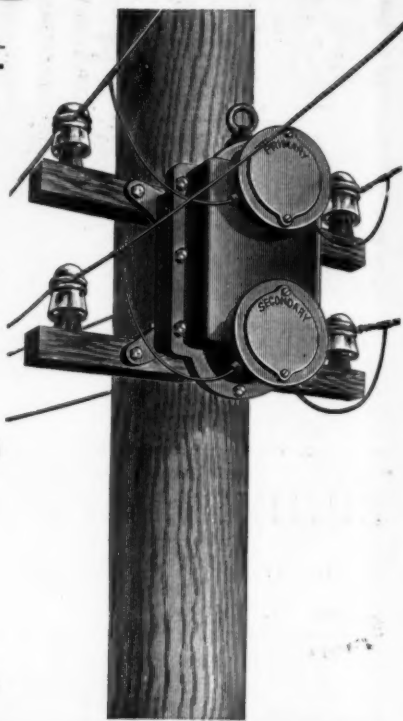
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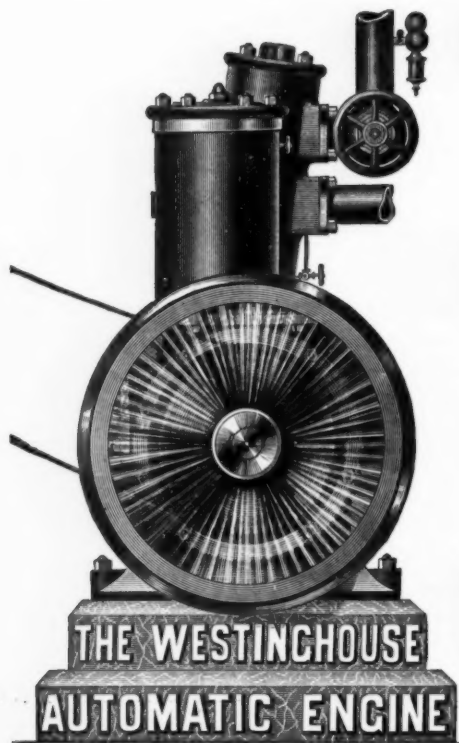
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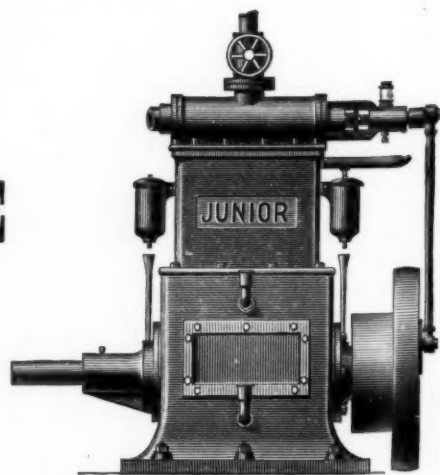
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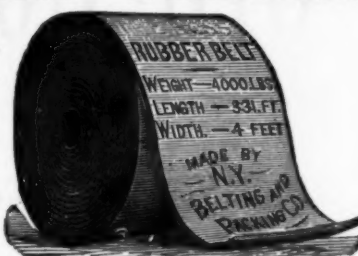
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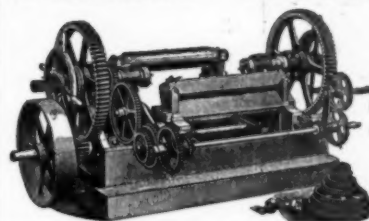
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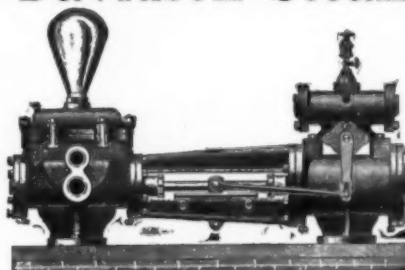
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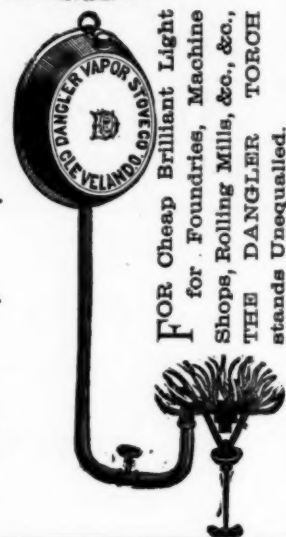
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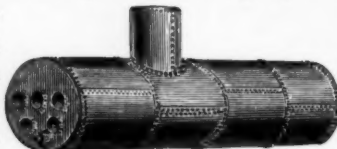
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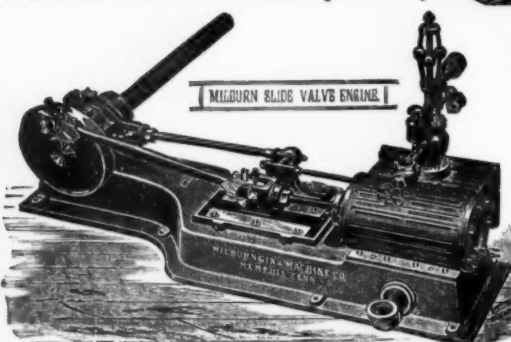
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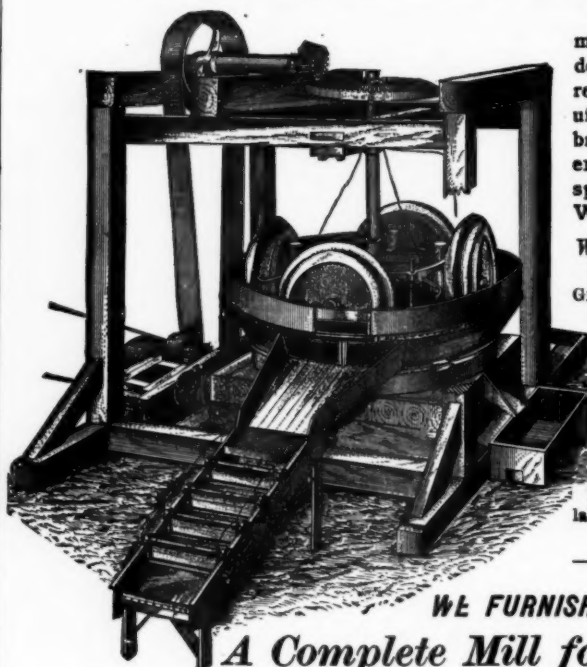
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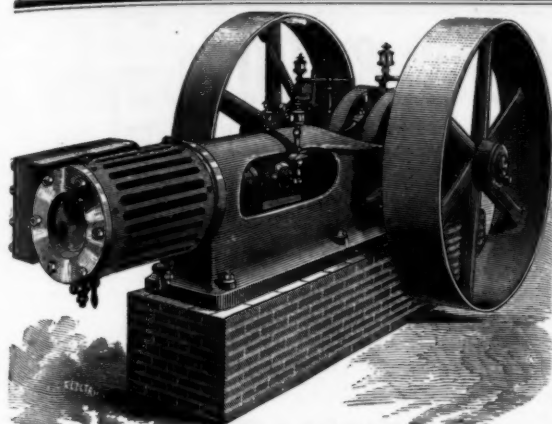
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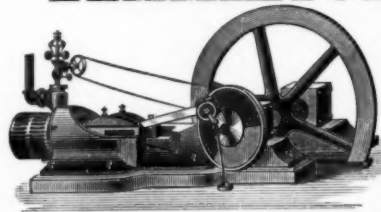
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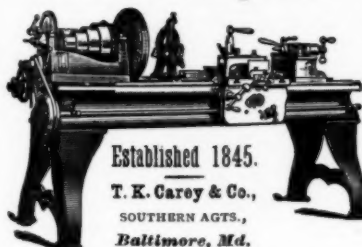
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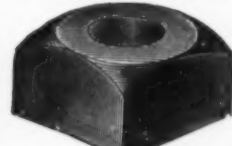
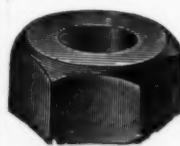
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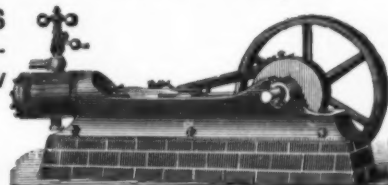
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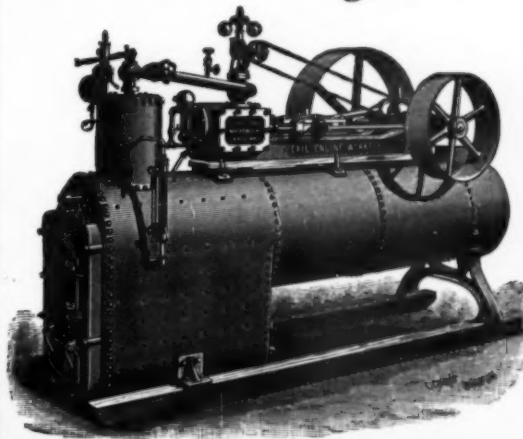
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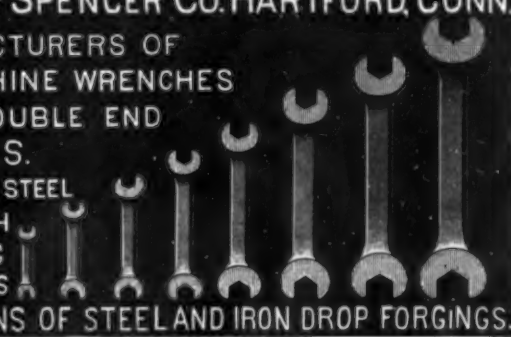
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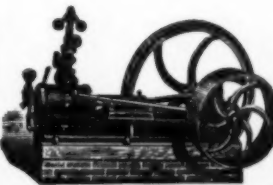
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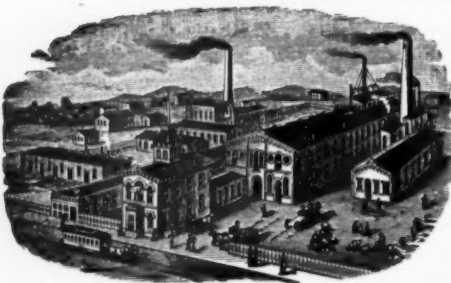
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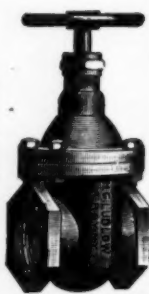
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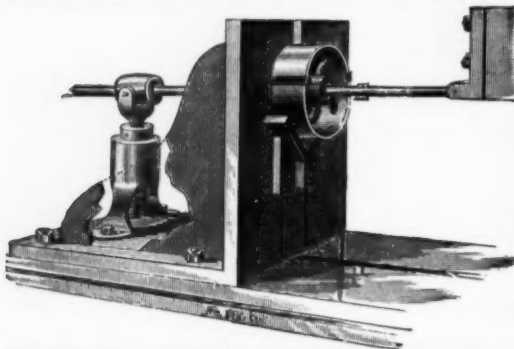
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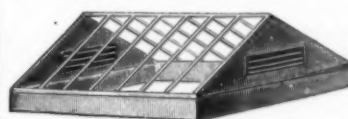
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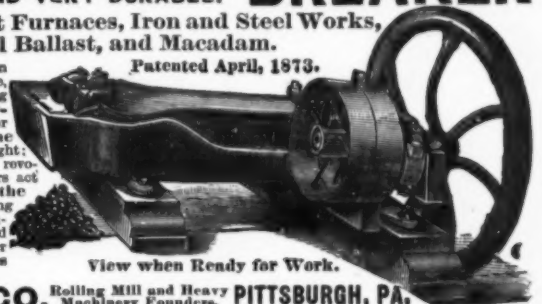


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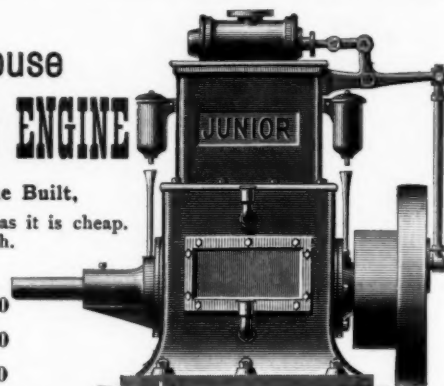
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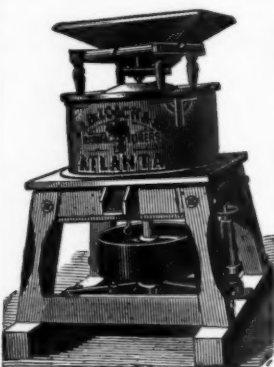
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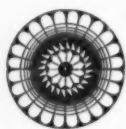
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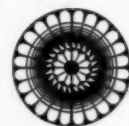
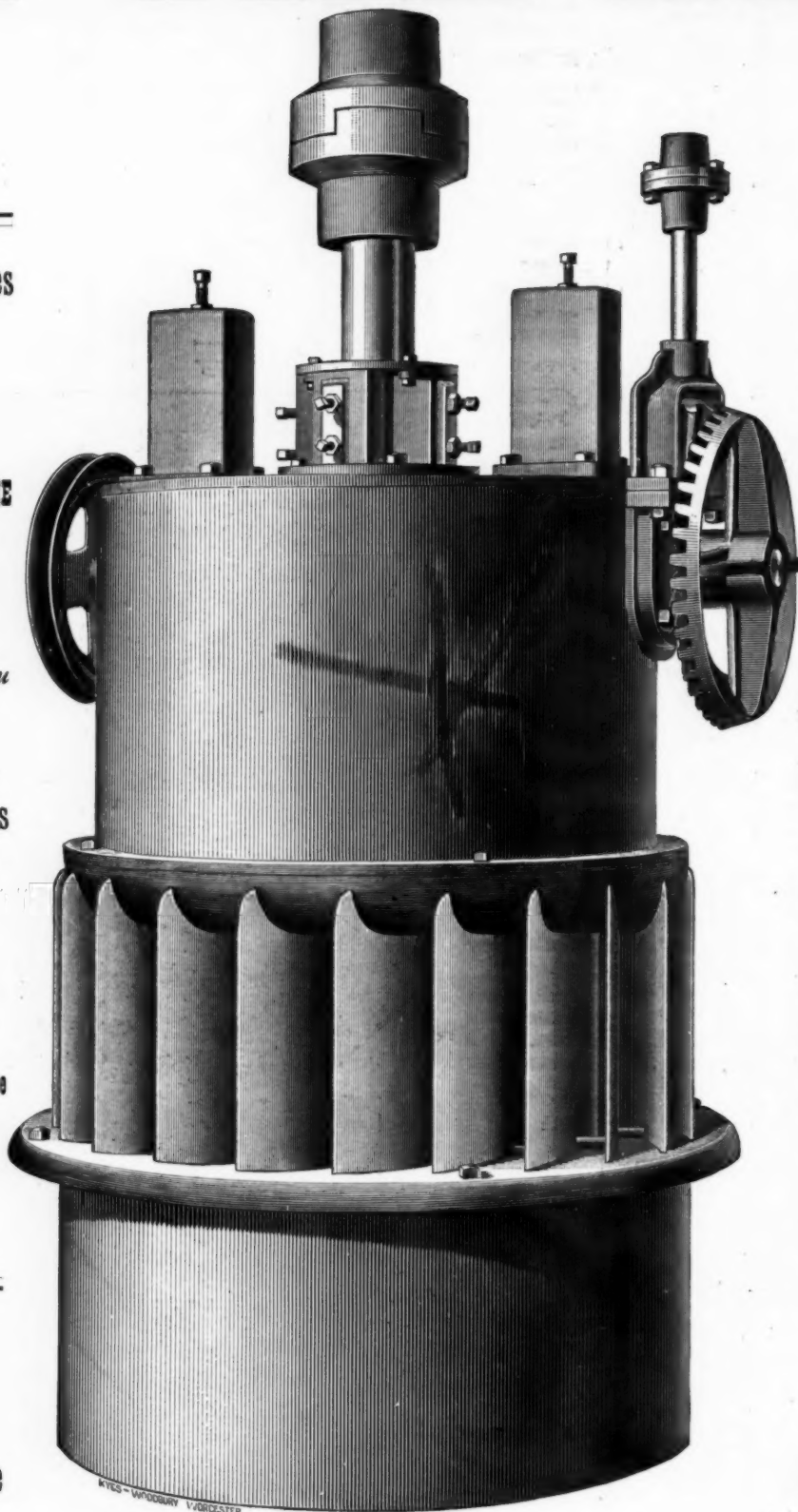
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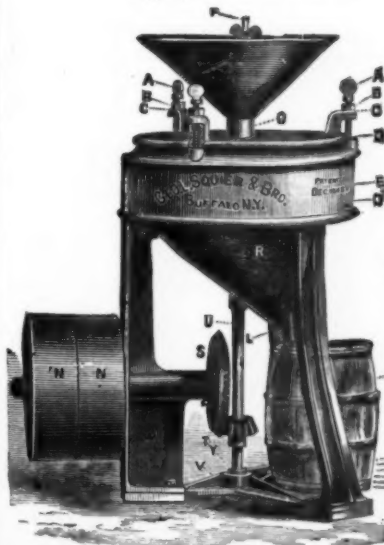
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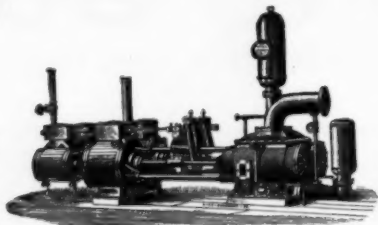
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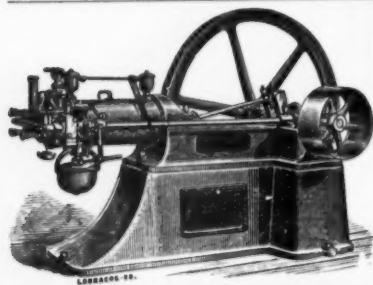
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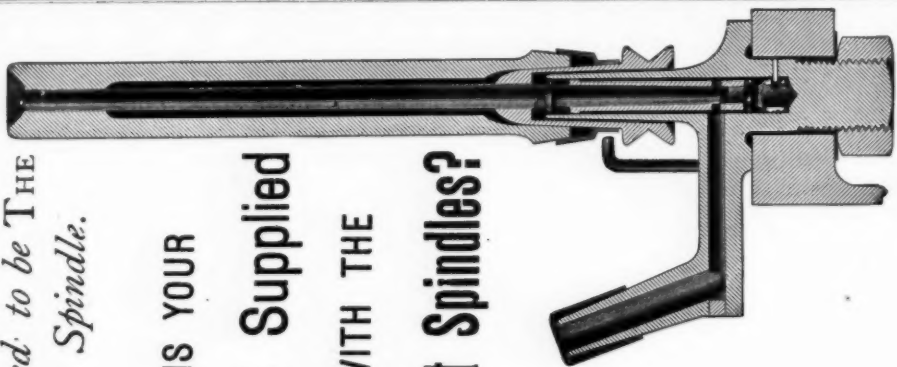
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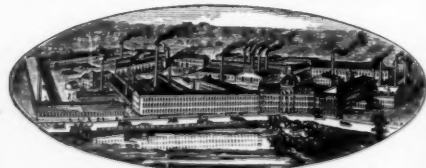
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Anniston is not a model city in some respects. It has no vacant private dwellings for people of moderate means to occupy, and no stores for anybody to rent. This is an admirable way of discouraging a valuable increase of population. We want a building boom, and want it badly.—Anniston Hot Blast.

Not only Anniston, but other Southern towns need a building boom. Unless more vigorous steps are taken towards the erection of dwellings, many of these places will seriously suffer. It is useless to try to draw people to a town, where not a vacant house can be had. This is now one of the most important matters that can claim the attention of the business men of the growing industrial centers of the South. The Sheffield Coal & Iron Co. have voted to build 100 houses at a cost not to exceed \$100,000 and we venture to say that every house will be sold or rented at a good profit before the foundations are completed. If the Anniston or Decatur land companies would give out a contract for spending half a million dollars in building houses ranging in size from a cheap cottage costing a few hundred dollars to houses costing two or three thousand each, they would find it the best investment for the town ever made. We believe every house would be immediately taken and thus the population of the town largely

increased at once. People are constantly asking us, if they can find stores and dwellings for rent in these rapidly growing towns of the South, and for an answer we can only tell them that the local papers report that not a store or a dwelling is to be had. This may look like prosperity, but it would look still more like prosperity to see hundreds of houses of all sizes under construction.

If a man wants to go South to settle he does not want to lose 5 or 6 months in the construction of a dwelling and a place for business, even if he has the capital to spare for these. He is willing to rent a store, if he proposes to go into mercantile business, and a dwelling, and to pay a good profit on the cost of their construction, but when he visits a town and finds that he can rent neither a store nor a dwelling, he very naturally looks elsewhere for a location. There is a great field for enterprise in this line and we trust that no time will be lost in making arrangements for building more houses.

Sensible, Practical, Patriotic.

A maritime and commercial convention was held at Pensacola, Florida, Nov. 10, 1886, which was largely attended by delegates from the principal trade centers of all the Gulf States. That convention assembled at the call of the American Shipping and Industrial League, an open, non-partisan organization, whose object is "to promote the development and distribution of the products of American labor by the extension of the merchant marine of the United States, and to establish thereby more intimate commercial intercourse with other countries by frequent and direct mail service." The members of this league are business men, statesmen and practical political economists. They care nothing for fine spun theories, but are earnestly seeking for the true solution of the industrial and commercial problems that confront every industry pursued in this country. What those problems are was tersely summarized in the resolutions adopted at a national assemblage of the league, held late last winter in the city of Washington, which resolutions were made part of the report submitted to the United States Senate by its Committee on Naval Affairs, (March 2, 1887,) in reference to the bill (Sec. 3,320) to create a naval reserve of auxiliary cruisers, officers, and men from the mercantile marine of the United States." The league resolutions claimed that an increase of our merchant marine was demanded by many momentous considerations, chief among which was the necessity for foreign markets. "Our markets would be those of Central and South America, the West Indies, Asia and Australasia, from which we are practically excluded by the inadequate facilities we have for transporting our products to their seaports." Given

full sway in those markets, and the stagnation every now and then occurring in our home markets from over-production of natural staples and manufactured goods would cease and experience has shown that stagnation "is the parent of financial crises which bring ruin to the producing classes of every community." Next to the foregoing in importance was the fourth resolve, which was in these terms, viz: The rapidly developing industries of the Gulf States in the mining of coal and iron and in the manufacture of cotton goods, make the demand for new outlets and increased facilities of transportation imperatively necessary. The proximity of the Gulf ports of our Southern States to the various Spanish and Portuguese-American countries gives the United States an insurmountable advantage over all foreign countries in point of distance and time for the supply of the provisions, breadstuffs and other products of the great Mississippi valley, of which said countries are large consumers, and which, for want of a properly sustained merchant marine, are now supplied to a great extent from foreign countries. This need the general government should satisfy, and in doing so the benefits would be distributed to every portion of our common country."

These two resolutions, taken in connection with the avowed objects of the American Shipping and Industrial League, tend to show the breadth of its purposes and aims. The deliberations and resolves of the general and department conventions that have been held up to this date are all of like character. Only this week there has been at Charleston, South Carolina, a three days' session of the South Atlantic department of this organization, at which much was done to consolidate public opinion in favor of the measures it advocates for the improvement of our merchant marine. One of the most effective of these measures would be the so-called "bounty bill," which was before the last Congress, and which will be again introduced and pressed as soon as the 50th Congress convenes. This bill provides that "every vessel, sail and steam, built and owned in the United States, trading with foreign ports, shall be allowed thirty cents per ton for each one thousand miles sailed or steamed for a period of twenty-one years, one-third reduction of said rate to be made at the end of the first ten years from the date the Act of Congress shall take effect." This is not a subsidy, the fearful bugbear that demagogues have created to serve their personal ends; it is rather in principle like the premiums offered by agricultural and industrial fair associations, for it is intended to stimulate ship-building and ship-sailing between our own and foreign ports. Should this proposed bill become a law every industry in this country would soon feel its beneficial

effects, but none in the same measure and to the same far-reaching extent as our farming communities, for no other industry in the United States has been as much affected by the decline of the American marine as agriculture, and no other will be as generally benefited by its advancement. Broad as the foregoing proposition may seem to be, it is literally true. There is no manufacture that employs as many varieties of industry as ship-building. In the construction of a single ocean steamer more than 250 separate trades and callings are called upon to contribute to its completion. From the mines of coal, iron, copper and spelter and the forests, to the most elaborate workshops which science and mechanical skill have established, there is a continual march from the time the keel is laid until the perfected ship sails on her first voyage. And all the craftsmen, from miners and foresters to compass and chronometer makers, employed in building and fitting the ocean carrier must be fed and clothed through the labor of farmers. The chief profits of agriculture are obtained from her home markets. When all other industries are thriving the farmer makes money, but when all others are stagnant then cultivators of the soil increase in number in the same ratio that the followers of other callings lose employment. Then arises that chronic complaint—"hard times, no money," which has been too often repeated in these United States. How we can escape that chronic periodical disaster and at the same time continue to increase the output of our forests, mines, farms and manufactories of every sort, the American Shipping and Industrial League is trying to ascertain.

Types of the New South.

In an address to the legislature of Georgia and the citizens of Atlanta in 1881, Colonel Hammond, of that city, claimed that its rapid growth and increasing prosperity were largely owing to the cosmopolitan character of its population. In support of this he named in their order the residents on Peachtree street for several blocks and told where they came from. Germany and fourteen American States, about evenly divided between North and South, were named as the birthplaces of those solid citizens of Atlanta. The truth he sought to impress upon his audience was that as this nation was great and powerful because all civilized peoples had contributed to swell its population, to diversify its industries and to advance its progress in all useful and beautiful arts, so every Southern community would prosper in proportion to its acceptance of this truth. In the letter of our North Carolina correspondent, on another page, will be found several types of the men that in all prospering Southern cities and towns are "the human forces that are working in unison in the South and helping on

its prosperity." There is no longer need to preach this truth in our larger communities. Trade, commerce, manufactures, all excellent and practical instructors, have been for several years inculcating it. In many of the thousands of new enterprises that have been recorded from week to week in the MANUFACTURERS' RECORD, men of Southern, Northern and foreign birth have participated until the thing has become so common as scarcely to excite notice. In truth, the provincialism that was the necessary outgrowth of "the peculiar institution" began to disappear when the latter was destroyed, and every new business enterprise has helped to wipe out its vestiges. "An Englishman, a New Englander and a native North Carolinian," each succeeding in his respective business in the same community, and all doing their best to promote the general well-being, are typical, as our correspondent puts it, "of the human forces that are working in unison in the South and helping on its prosperity."

We reiterate this for the especial benefit of our thousands of Northern readers, some of whom still find it impossible to accept as true the stories told of the industrial and social revolution that has metamorphosed the South within a decade. It passes their comprehension that such a mighty change can have been wrought as that of which they daily read. To all such we commend the reading of our Fayetteville letter, assuring them also that this is not an exceptional instance, but that any number like it may be cited in all progressive Southern towns from the Potomac to the Rio Grande. These types of the New South are not exceptions, but the rule, as all Northern men know who have spent much time in that section. It is largely because of this unity, that is fast fusing into homogeneity between citizens of Southern, Northern and foreign birth, that the South has become the best place for the investment of capital and for the establishment of manufacturing industries to be found on this continent.

How the Interstate Bill Works.

The following letter from Messrs. Henry McShane & Co., proprietors of the McShane Bell Foundry, Baltimore, shows how the interstate commerce bill is upsetting trade:

BALTIMORE, MD., April 25, 1887.

Editor *Manufacturers' Record*:

In your last edition we note some very interesting remarks concerning some of the operations of the interstate commerce law, and in noting same we find our experience to be the same as Mr. Cole's, that is, that the law works to the disadvantage of both the railroad company and (mostly) to the manufacturer. Take, for instance, our trade in church and fire alarm bells, &c., in which we do considerable on the Pacific slope. Before the new law we could secure a rate of freight enabling us to successfully compete for the sale of our bells there, and draw trade to Baltimore, but since the law has gone into effect the freight is increased 340 per cent., equal to 25 per cent. on price of bells, and virtually driving us out of that market. For our part we view the new law with disfavor thus far, and cherish the hope that it may speedily be voted out of existence. Respectfully yours,

H. McSHANE & Co.

A Good Sign.

It is gratifying to note that the wild speculative fever which for a few weeks threatened to run into a regular "land booming" business has somewhat subsided, and that business men, instead of devoting their time and money to real estate speculative operations, are giving their attention to the actual development of the industrial interests of their section. As we have previously stated, many of the large land companies organized in the South during the last few months have a solid foundation for present and future prosperity, and it is through their exertions that a very large proportion of the new enterprises that are being established there have been secured. But the great and well-deserved success of these companies caused almost a craze for real estate dealings for awhile. This feverish tendency has abated without having done any permanent harm; in fact, this speculation did good. It attracted outside capital and advanced the price of real estate, which was too low throughout a great part of the South. Having done this, it has quieted down and left the people of that section in a proper frame of mind for a more vigorous and determined effort than ever before in building up their manufacturing interests. If the real estate speculation had gone on indefinitely it would have done harm; as it is, it did good. It awakened the people to the vast possibilities of their country and stimulated them to new energy; it permanently lifted the value of property over large areas, and from these centers of activity will spread influences that will make the whole South more prosperous. Of course, there will come renewed speculation at times, but the tendency to wild booming has, we believe, been pretty effectually killed. The South is now moving steadily and rapidly on towards a solid and enduring prosperity, and never before was the outlook so bright.

Selma's Progress.

[Special correspondence MANUFACTURERS' RECORD.]
SELMA, ALA., April 21, 1887.

New enterprises continue to spring up in Selma. The Armour Packing Co., of Chicago, have signed a contract with the Selma Land, Improvement & Furnace Co., and work will commence immediately on a large packing concern and refrigerator here. All the stock has been subscribed to the Selma Rolling Mills and Chain Works and the site will be located tomorrow. The Star Ice Factory is nearly complete and will commence operations May 1. This is the second factory completed in Selma. J. W. Wells & Co. opened their soda factory and bottling establishment last week. A. J. Muller has just completed the largest brick works in the State, with a capacity of 47,000 bricks in seven hours. A company is being formed to bore for natural gas and oil, and considerable amount has already been subscribed. All the stock to the Central Alabama Building and Loan Association has been subscribed and the company will at once commence operations. A plan is on foot to increase the capital stock of the Selma Broom Factory. The Selma Street Railway is now being extended to all the principal residence streets of the city, and the cars will be run by dummy engines. E. R. KINSLEY.

Furnaces Under Contract.

As we have previously stated the development of the iron interests of the South, which has recently attracted so much attention, will not be very apparent in the statistics of production before 1888, as it will be the latter part of this or the first of next year before most of the furnaces under construction are ready to go into blast. We have compiled from the official report of the American Iron & Steel Association, just published, some facts regarding the furnaces for which contracts had been closed up to March, 1887, which make the following showing:

STATES.	No. of stacks.	Size of stacks.	When to be completed.
Virginia:			
Low Moor Iron Co.	1	18x80	June 1, '87.
Pulaski Iron Co.	1	17x75	Sept. 1, '87.
Alabama:			
De Bardeleben C. & I. Co. 2	17x75	July 1, '87.	
Pioneer Min. & Mfg. Co. 1	17x75	Oct. 1, '87.	
Tenn. C., I. & R. R. Co. 4	20x80	{ Oct. 1, '87. Dec. 1, '87.	
Coalburg Coal & C'ke Co. 1	17x75	Feb. 1, '88.	
Sloss Iron & Steel Co.	17x75	Spring '88.	
Lady Ensley Furn. Co.	18x75	Oct. 1, '87.	
Sheffield Furnace Co.	17x75	July 1, '87.	
Ala. & Tenn. C. & I. Co. 3	17x75	Jan. to July, '88	
Woodstock Iron Co.	16x75	Dec. 1, '87.	
Gadsden-Ala. Iron Co.	17x75	Oct. '87.	
Decatur L. Im. & Fur. Co. 1	12x60	July, '88.	
W. B. Wood Furnace Co. 1	17x75	April, '88.	
Tennessee:			
Tenn. C., I. & R. R. Co. 1	17x75	Oct., '87.	
Nash. I., S. & Char. Co. 2	12x60	Jan. '88.	
Kentucky:			
Ashland C. & I. Rwy. Co. 1	15½x64	June, '87.	

In a foot note to this table the secretary of the Iron & Steel Association says:

"We do not in these tables enumerate the furnaces recently built or now being built to take the place of old stacks, but only new enterprises and new stacks added to old plants. Among projected enterprises we enumerate the Rome Land, Iron & Improvement Co., which intends to build an 11x50 charcoal furnace at Rome, Georgia; the Tuscaloosa Coal, Iron & Land Co., which intends to build a 17x75 coke furnace at Tuscaloosa, Alabama; the Calera Furnace & Charcoal Co., which is said to have capital subscribed for a charcoal furnace at Calera, Alabama; the Selma Land, Improvement, & Furnace Co., which expects to build a furnace at Selma, Alabama; a projected furnace at Montgomery, Alabama, in which the Moses Brothers are interested; six projected furnaces at Florence, Alabama, including a 17x75 coke stack by the Florence Coal, Coke & Iron Co.; another charcoal and three coke furnaces projected at Decatur, Alabama; and two more large furnaces at Bessemer, Ala.

The Pennsylvania Steel Co. has purchased a large tract of land at Sparrow's Point, on the Patapsco River, a few miles below Baltimore, in Maryland, on which it will erect two large blast furnaces, to be finished in 1888."

The Sloss Iron & Steel Co. will build only one furnace and not two, as stated in this table. The De Bardeleben company have contracted for two more, making four that they will have at Bessemer, while the Pennsylvania Steel Co. claim that they will complete two or three furnaces at Baltimore this year and add several more later on. So that, excluding all furnaces for the building of which contracts have not actually been closed, there are now thirty under way, while there are at least five or six more that ought to come under this list, as the money for their construction has been secured and they are to be built as soon as contracts can be made. We have, however, used these figures of the Iron & Steel Association as they are looked upon

as official. With two or three exceptions only, these furnaces will make coke iron. Most of them will be of about 100 tons daily capacity, though some of them like two at Anniston, three at Sheffield and four at Bessemer will be of 150 tons capacity each. The average for the thirty will be at least 100 tons a day, or 36,000 tons a year at their full capacity. This would give an annual capacity of 1,080,000 tons for the new furnaces now under construction in the South. The actual output of a furnace, however, when delays for repairs and improvements is taken into account will fall considerably short of the figures given as full capacity. But enough furnaces will be built in addition to these thirty to make up for this shortage, and we may safely estimate that the output of iron in the South in 1888 will be fully 1,000,000 tons greater than in 1886, even if no additional iron enterprises are organized.

There is almost a certainty of a number of furnaces not even mentioned by the Iron and Steel Association, being built during 1887 and 1888. A number of companies have lately been organized to build furnaces in Southwest Virginia and there is no doubt but that great activity in the iron interests of that section will soon be seen, while in Alabama and Tennessee there are also several furnaces projected with a good assurance of being built which are not named in this list. In the entire country there are now some 43 furnaces under contract, and of these 30 are in the South. Pennsylvania has 5, New York 3, Ohio 4 and Wisconsin 1. When we come to steel works we find that 38 are now being built, and of these only 4 are in the South. Here is a field of enterprise to which Southern iron makers must give attention.

New Enterprises at Anniston.

[Special Correspondence MANUFACTURERS' RECORD.]
ANNISTON, ALA., April 23, 1887.

Messrs. Taylor & Sons, of Cincinnati, O., have perfected arrangements for putting up a fire-brick plant. The clay to be used, which is found in sight of this city, has been thoroughly tested and proves satisfactory. The firm will work a hundred or more hands. They have already closed contracts for over two million brick, to be used in the construction of furnaces and coke ovens here. Ground will be broken for the plant just as soon as the machinery and force from Cincinnati arrives.

Mr. Stevens, a large builder and contractor of Birmingham, has secured ground at Choccolocco, 8 miles from Anniston on the Georgia Pacific railroad for a large brick plant. A short distance this side, on the same line of road, Mr. G. H. Bryan and his brother purchased three acres of brick clay land, and are putting in a switch for a brick plant. They are already engaged there raising ore from one of the richest beds in the county. This will make five large brick works at this station. The Choccolocco clay ranks as the best in the South. W. D. S.

ADVERTISERS wishing to reach the manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the MANUFACTURERS' RECORD.

The Growth of Fayetteville.

[Special correspondence MANUFACTURERS' RECORD.]

FAYETTEVILLE, N. C., April 13, 1887.

"What men have done, men can do," says the proverb. What men of this city, now in their early prime, have accomplished may serve as an incentive and a guide to others. The editorial columns of the MANUFACTURERS' RECORD have repeatedly urged the importance of diversifying Southern industries. In this city I find proofs of what can be done by men who have the requisite will and skill. The history of some few of these may be profitably narrated.

I had seen in the expositions at Boston in 1883 and at New Orleans in 1885 a large collection of strange looking tools of high finish that were made in this city. Strolling through one of the streets the other day, I noticed the sign of the exhibitor at those two expositions and entered his factory. In it are made every kind of tool used in gathering the gum of the pine tree. Walter Watson, the originator and proprietor of this factory, is a native of England. In 1863 he ran the blockade off the coast and came to this city, where his experience as a skilled gunsmith was properly appreciated, and he was given an important position in the manufacturing department of the Confederate (formerly Federal) armory. After the war he began to make in a small way the tools used in turpentine orchards, but the superiority of his goods soon attracted attention, and in a few years he had distanced all competitors and gained control of the trade. One forge served his purpose at the start; now 50 skilled mechanics are employed, an 18-horse engine furnishes the power, and in his extensive shops are many forges and a great variety of machinery. While turpentine tools are still made on an extensive scale, they are but items of his business, for edge tools of many kinds are made in his shops, and every year additions are made to the variety. Besides this, Mr. Watson keeps a general hardware store and transacts a heavy business. His success only illustrates what any man can do who has the health, skill and will. Beginning with understanding and with willing hands in the midst of the ruins left by marching armies, this man has built up a large business, has supplied the tools for the prosecution of a great industry, and is, by his quiet, forceful enterprise, establishing the fact that steel tools of the finest temper and finish can be made as readily and as cheaply in the South as in any other country.

Of like value as an illustration is the success won by the McMillen Brothers, whose specialty is the manufacture of seamless turpentine stills. These gentlemen also began with no cash capital. They are natives of North Carolina, were educated in its public schools, and as they grew to manhood they learned trades. After the war they began to repair old stills and to build new ones to order. Business increased and with it their prosperity. They own a fine tract of ground in the business center, on which are two handsome brick stores and their manufactory. They have also a branch house at Savannah, Ga.

Of another type is A. H. Slocumb, a man of Massachusetts, but who settled here in 1866 after making a considerable tour through the South. He was pleased with the country, the climate and the people, and determined to make this his home. He engaged in the cotton and naval stores business, making a specialty of supplying rosin to Northern paper manufacturers. Here are an Englishman, a New Englander and a native North Carolinian, who together are excellent representatives of the human forces that are working in unison in the South and helping on its prosperity. They stand for the homogeneity to be found in all the progressive cities and towns of the South, and of that which will ere long pervade the country.

To name all those who unitedly have lifted this city out of its old rut and have started it on the roadway of solid progress would consume altogether more space than the MANUFACTURERS' RECORD could spare. Most of them are living and are actively engaged in business. Some are growing old, others are in their prime and others are yet young, but whatever their age may be, all are young in spirit, and are working with the enthusiasm of youth to advance the prosperity of Fayetteville. Three such citizens, J. B. Starr, A. B. Williams and Frank W. Thornton, are building a fine hotel on Hay street that, when completed next October, will be the finest building for its purpose in this State. This is now under construction. It occupies a lot 152 feet front on Hay street and 90 feet on Donaldson. It will be four stories high, with a tower at the front corner 90 feet high. The materials used are brick and iron. All the front windows will be of plate glass. There will be 72 bed rooms in suites or single. All modern improvements, including electric lights and call bells, will be employed, and the house will be elegantly furnished. The architect of this building was H. Jacob, of Richmond, Va.; the contractor is T. A. Klutz, of this place. It is intended to be a first-class house, and as many more Northerners will visit the city every winter because of this hotel than have been here in past seasons, the proprietors are anxious to lease it to an experienced man familiar with the tastes and requirements of Northern tourists. Col. J. B. Starr, one of this trio, is a merchant of repute and chief owner of the Fayetteville Ice Co. This company uses the Stratton Absorption Ice Machine, made by H. D. Stratton & Co., Columbus, Ga., and their water is from a famous "sand hill spring" in this city. Colonel Starr has put up several fine buildings on Hay street, the principal business thoroughfare, that would be noticeable in any city. Capt. A. B. Williams, the second of the trio, is at the head of a firm (A. B. Williams & Co.) that is said to do the largest business in cotton and naval stores of any inland house in the State. Besides their large transactions in these staples the firm does a heavy commission business in groceries and feedstuffs, and owns and runs a cotton-seed oil mill, the first that was built in this State. They also have a considerable interest in the river steamers, and own a thousand acres of fine farming land. Frank W. Thornton is a native of North Carolina, and, although he has not yet reached middle age, he has built up here a dry goods trade of surprising magnitude. He owns and occupies a large brick building on the main street; employs a considerable force of salesmen; has the automatic system to save employing cash boys, and in all respects his establishment is conducted on the best models of the large Northern cities. In addition he has nearby one of the best stores of gentlemen's furnishing goods I have seen in the State. These three associates will have invested \$50,000 in their hotel, which is to be called the Lafayette.

A carriage manufacturing establishment was started here in 1832 by A. A. McKethan. It was a small affair at the beginning, but Mr. McKethan's motto was "honest work for honest money," and by adhering strictly to it he rapidly made his way until, for twenty years before 1861, he had customers in every Southern State. After the war he took his two sons into the business. The machine-made vehicles from Cincinnati and other places in the Ohio valley were sold at prices much lower than the McKethans could afford to take, and for a number of years they confined themselves to repairing the Western jobs that were continually brought to them. But in time their old customers began to see that low-priced goods were not necessarily cheap goods, and that it was more economical to buy solid, well-seasoned, honestly-made vehicles at a higher price, and now the firm has resumed manufacturing. The elder brother

is dead, and the business is conducted by A. A. McKethan, Jr.

The Observer, a bright and influential weekly, has long been published here, and has always maintained the reputation given it by Mr. E. J. Hale, late of New York, for many years its editor and publisher. Its present editor, Mr. Haigh, a son-in-law of Mr. Hale, is a native of this city, an experienced journalist, and a man in full sympathy with the progress of the age.

Fayetteville is beautifully situated. The Cape Fear sweeps around to the east and south of the city and pursues its course to the sea. The land is considerably higher than the river, and for three-quarters of a mile from it it is gradually ascending, then it remains a level plateau for some distance, but towards the "west end" it again rises until at the summit it is many score feet higher than the river. Pleasant homes, surrounded by beautiful gardens, line the sides of the ascent. On its summit was once the national armory and the dwellings of the army officers, who had it in charge. Now it is a desolation. The earthworks thrown up for its protection are much in the condition they were when Sherman's army marched in, for no vegetation has started on the mounds. Like the temple at Jerusalem, not one stone is left upon another. From the borders of this eminence lovely landscape views are to be had. I stood for some time on the porch of Col. Starr's fine residence and saw the city lying before me in picturesque beauty. Beyond was the valley of the Cape Fear, and in the distance were hillsides crowned with oaks and pines. In all my journeyings through North Carolina I have seen no place more fair than this, not one in which the prospects of a healthful, vigorous growth were brighter or better. B. S. P.

Notes from Sheffield.

[Special correspondence MANUFACTURERS' RECORD.]
SHEFFIELD, COLBERT CO., ALA.,
April 21, 1887.

On yesterday the annual meeting of the stockholders of the Sheffield Land, Iron & Coal Company took place in this city. The following officers were re-elected for the next twelve months: President, Col. A. S. Colyar, of Nashville, Tenn.; vice-president and general manager, Capt. Alfred H. Moses, of Sheffield; treasurer, W. L. Chambers, of Montgomery, Ala.; and secretary, Capt. Joseph F. Burke, of Atlanta, Ga. The company passed a resolution to build one hundred houses to cost not exceeding \$100,000. Manager Moses stated in his report to the stockholders that the sale of lots had amounted to \$1,020,400.50.

Col. E. W. Cole, representing the Alabama & Tennessee Coal & Iron Co., said that they were doing more than they had contracted to do, and that while under contract to build three 100-ton furnaces, they were putting up three of 150 tons capacity each, and that they would all be completed in 17 instead of 30 months, as the agreement allowed them to do. Col. Cole is one of the largest and most successful capitalists in Tennessee, and the bright future he pictured for Sheffield made its impression upon the meeting.

The Memphis & Charleston Railroad Company have reached the depot site with their grading, and in a short while they expect to be running their trains into and through Sheffield.

There is a great demand for houses, and rents are very high.

We need more brick-yards. Many parties are ready to build, but they cannot get brick. There are two steam brick-making establishments already here, but they are unable to supply the demand.

Many men doing business at Sheffield are now living in tents, and some in the adjoining town of Tuscumbia. It is difficult to say what the population of Sheffield would be to-day if there were houses enough to accommodate the large number of people who apply for them, but cannot get them. A man can rent a house here before he lays the foundation for it. E. S. J.

The Story of Anniston.

At the banquet given to Hon. Wm. D. Kelley, of Pennsylvania, at Anniston, some days ago, Mr. Samuel Noble, in a speech on the future of that town said:

As to Anniston's past, it is familiar to all of you, and I shall not dwell upon it. Our present is before you; it can be studied each for himself; it is of our future and its security I would speak, and what I know has been done up to this time by those who in some measure control and shape her destiny, that I am sure will interest you most.

So far as my observation and practical experience tend, and I have traveled some, and without being egotistical, I can say I have been a close observer, and during my life have obtained knowledge of the resources of my country, I can truly say that I know of no section from Canada to the Gulf, or from Maine to California where nature has done so much, has been so lavish of her gifts, and placed her resources where they can be so easily commanded and made available to man. We have an invigorating climate, that for health is unequalled in the world. Water, crystal and cool, that restores the invalid and sustains the vigor and energy of the strong. We have resources in minerals the most useful of all in promoting man's civilization and comfort. Iron and coal are at our very doors, in quantity and excellence that render Anniston, in commanding these resources, peerless even in the great State of Alabama. All these are foundations of Anniston's future, her greatness and her prosperity. It has been to utilize and secure these, not for a year, decade or a generation, but for generations and centuries to come, that for years a work has been quietly going on, step by step, that has now placed Anniston in a position for all time to come to command the situation and become what nature intended, and her people intended her to be, the great manufacturing, commercial, educational, and social city of Alabama. There has been secured to her and placed at her command within a stretch of 60 miles nearly 50,000 acres containing the very best deposits of hematite iron ores in our section, that produce an iron, the excellence of whose quality is known in almost every State in the Union and in the Province of Canada. There has been secured in addition over thirty miles in length of the best fossiliferous iron ore in our State, while tens of thousands of acres of virgin forests are controlled for the benefit of our great car industries, and construction of business places, public buildings, and comfortable and civilized homes for our people. To crown all, one of the largest and best coal properties, that is now or has ever been operated in our State, has passed into Anniston's control, securing for her present and future industries an immediate supply of the purest and best steam and coking coal that has yet been opened in the South. To make available all these vast resources, we have the grand trunk lines of the East Tenn., Va. & Ga., and the Georgia Pacific Railroads that open up a portion of our territory. The Anniston & Atlantic Railroad, built by Anniston capital in the interest of her business and manufactures, controls even a still greater proportion, while the Anniston & Cincinnati Railroad, which Anniston is now building and will own, gives her a grand trunk line connection to Cincinnati and Chicago and the great Northwest, on the one hand, and with New Orleans, Shreveport and the great Southwest and Pacific coast on the other, and brings to our doors the vast acquisitions of coal and ore that have been acquired along the line of the Alabama & Great Southern Railroad.

All that has been done has been carefully considered, and for a purpose, not to make a speculative town; not to boom real estate, for that will take care of itself; not to un-

[CONTINUED ON PAGE 453.]

The Vapor Cook Stove.

It is only a few years since the vapor cook stove was regarded as a compromise "make-shift" for the coal or wood cooking stove or range, and one that only the extreme discomfort of a hot summer day would justify any one in using; but of late the pronounced utility of this character of stove, fitted with its modern safety appliances, has come to be fully appreciated by all who have used it, as its economy, comfort and great convenience, both in summer and winter, have been demonstrated. Unlike the ordinary cook stove, it is always ready for immediate use, requiring no kindling, coal or wood, making no ashes, dust or soot, never overheating the kitchen, and has the great advantage of being ready in three minutes for doing the same work it requires a long time to prepare a coal or wood stove for, thus saving much valuable time.

Being a mechanical device, although simple, to obtain the best results, a vapor stove calls for the exercise of a little judgment and common sense, for however few the parts of a piece of mechanism may be, they will not take care of themselves nor operate satisfactorily if wholly neglected. Even so simple a thing as a wheel-barrow demands enough attention to require the occasional lubrication of its journals, and there is no reason to expect that a vapor stove will continue to operate satisfactorily without some attention or if not kept clean.

There is a popular belief entertained among those not familiar with the article



THE "NEW DAVIS" SINGLE GENERATOR VAPOR STOVE.

that a gasoline stove is an explosive device, but it is said that "facts substantiated by experience covering fifteen years of their use prove conclusively that such is not the case, and the records show no instance of a stove exploding, although there are some cases where they have taken fire and burned up, as a result of gross carelessness." This source of accident, the Standard Lighting Co., of Cleveland, Ohio, say, is now removed by the addition of their safety devices. In the event of a leak or any accidental overflow of the fluid on the stove entire control is secured by simply closing the valves or lowering the tank to shut off the fluid.

The accompanying illustration shows the "New Davis" single generator vapor stove, with steel frame and automatic lighting device. This stove is made with three burners, with large size patent reversible oven placed under the top of the stove, with two burners in the oven. The oven is supplied with an automatic lighting device, and the burners light from the outside. "This is said to be the largest oven placed on a vapor stove and is a powerful and even baker and roaster, and will brown top or bottom perfectly, and the only oven supplied with a reversible feature of dampers, by means of which the heat can be equalized at will, to meet the different requirements of roasting and baking."

The Standard Lighting Co., of Cleveland, Ohio, the manufacturers of this stove, also make other sizes, as well as oil and gasoline torches for mills, shops &c., and will give any further information desired.

Basic Steel Making.

Mr. Andrew Carnegie, in his book entitled "An American Four-in-Hand in Great Britain," gives the following description of the making of steel under the basic process:

"We were honored while here by the presence of Mr. Sydney G. Thomas and his sister, who came down from London and spent the day with us. Mr. Thomas is the young chemist who, in conjunction with his cousin, Mr. Gilchrist, would not accept the dictum of the authorities that phosphorus, that fiend of steel manufacturers, cannot be expelled from iron ores at a high temperature. They set to work over a small toy-pot, which deserves to rank with Watt's in composition. They used an albuminized tea kettle to see whether the scientific world had not blundered.

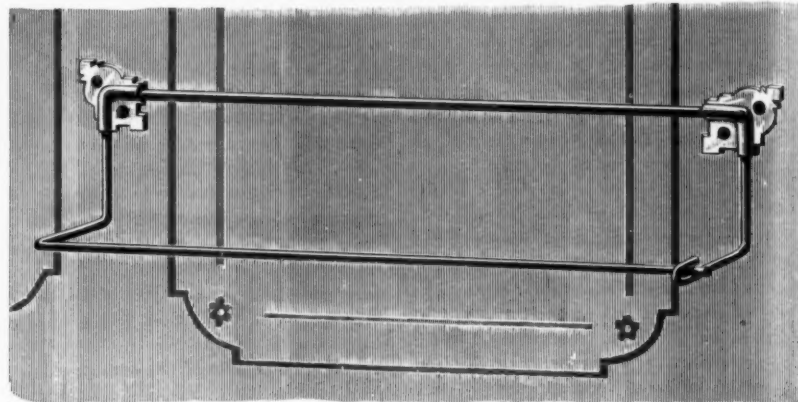
Let me premise that the presence of phosphorus in pig iron to the extent of more than about one-tenth of 1 per cent. is fatal to the production of good steel by the Bessemer or open-hearth process. Do what you will, this

their toy-pot, and Eureka! Their charm had not only exorcised the fiend, but they had discovered how to lead him away from the molten metal into the refuse and shut the door on him there. Here was a triumph, indeed! I fancy they neither ate nor slept till repeated experiments proved that the true charm had been found at last.

Mr. E. Windsor Richards, the broad manager of the largest manufactory of iron and steel in the world, was soon acquainted by them with the discovery. He tried it upon a large scale and announced the end of King Phosphorus; but he dies hard. This was some years ago; but I read the good news a few minutes after I had landed at

Nelson, Bessemer and Siemens. These young men have done more for England's greatness than all her kings and queens and aristocracy put together.

It was this pale, Gladstonian-looking youth we had with us for the day and for our Sunday evening dinner at Windsor. He wears no title—he is too sound a Radical and too sensible a man to change the name his honored father gave him—but, nevertheless, we felt we had one of the great men of our generation as our guest. If it be true, as it is, that he who causes two blades of grass to grow where but one grew before is a benefactor to his race, what is the magician who takes from the bowels of the earth a ton of dross and transforms it into steel before our eyes—strikes with his enchanted wand a hundred mines of worthless



NEW TOWEL RACK.

Naples from the East, on my way round the world in the year 1879. Many obstacles had yet to be surmounted, but now every ton of steel manufactured at Mr. Richards' great works is made from iron-stone, which a few years ago was counted worthless for steel. Enough iron-stone can be had for three dollars to make a ton of pig iron suitable for steel rails. The same amount of low phosphorus stone at Pittsburgh cost last year sixteen dollars, and yet there are intelligent people who do not understand why we cannot make rails as cheap as the English.

I wonder if I could explain to the general reader how Messrs. Thomas & Gilchrist succeeded. It always seems to me like a fairy tale. I will try. In making steel, ten tons of molten pig iron is run into a big pot called a converter, and hundreds of jets of air are blown up through the mass to burn out the silica and carbon, and finally to make it steel. Now phosphorus has a greater affinity for lime than for iron when it reaches a certain temperature; and when the air blast brings the mass to the required heat, the million particles of phosphorus, like so many tiny ants disturbed, run hither and thither, quite ready to leave the iron for the lime. These clever young men first put a lot of lime in the bottom of the pot as bait, and into this fly the ants perfectly delighted with their new home. The lime and slag float to the top and are drawn off, but mark you, let the temperature fall the and temperature gets too cold to suit these salamanders, although the temperature may be over 2,000 degrees, hot enough to melt a bar of steel in a moment if thrown into the pot. No, they must have 2,500 degrees in the lime or they will rush back to the metal.

But here lay a difficulty: 2,500 degrees is so very hot that no ordinary pot lining will stand it, and of course the iron pot itself will not last a moment. If ganister or fire-brick is used it just crumbles away, and besides this, the plaquy particles of phosphorus will rush into it and tear it to pieces. The great point is to get a basic lining—that is, one free from silica. This has at last been accomplished, and now the basic process is destined to revolutionize the manufacture of steel, for out of the poorest ores, and even out of puddle cinder, steel or iron much purer than any now made for rails or bridges can be obtained, and the two young chemists, patentees of the Thomas-Gilchrist process, take their rank in the domain of metallurgy with Cort,

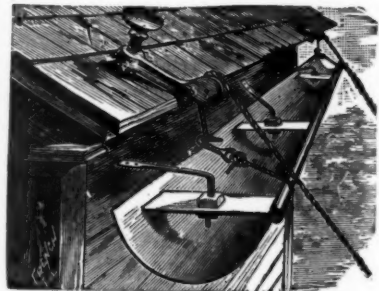
stone and turns it into gold, as the prophet struck the dry rock and called water forth? The age of real miracles is not over, you see; it has only begun; and Thomas is our modern Moses. His miracle seems as much greater than that of his prototype as the nineteenth century is advanced beyond the Jewish dispensation."

A New Towel Rack.

The accompanying illustration represents a new towel rack that is manufactured and sold by M. C. Henley, Richmond, Ind. It will be observed that it is exceedingly simple in design and construction, consisting of one continuous piece of wire bent in the form represented and fastened to the wall as shown by the plates which are placed over the upper corners. The spring of the wire over which the towel is passed holds it in position shown in the cut, it being easily disconnected when it is desired to do so. The entire rack is handsomely nickel-plated and is commended for its simplicity, elegance and durability.

Woodruff's Patent Eaves Trough Fastenings.

It is claimed for this fastening that it is one of the best hangers made, giving a house a good appearance, instead of a clumsy look peculiar to some fastenings, which only disfigure. It will hold up straight and firm and will not rust, and can be put up, it is



PATENT EAVES TROUGH FASTENINGS.

said, in one-fourth the time required by the old way. By referring to the cut it will be seen that the troughs can be lowered or elevated to conform to the pitch of the building by simply lowering or raising the nuts on the rod without removing the fastenings from the building, and they can be taken down, cleaned and repaired without removing the same. Builders, architects and the hardware trade can get prices and full information by addressing Geo. W. Heartley, 303 St. Clair street, Toledo, O.

Buffalo Heating Forges.

The Buffalo Heating Forges for hard coal or coke, two-sizes of which we illustrate, are designed for heating a great variety of work, such as bolts, rods, axes, hatchets, hammers, band iron, etc., for cutting, bending, forming and forging purposes.

They are adapted to heating a number of pieces at a time, thus keeping the operator fully supplied with heated work to be operated upon, and will be found especially advantageous for use in connection with

[CONTINUED FROM PAGE 451.]

load on the ignorant and unsuspecting, and pocket other people's money, leaving them with exhausted resources to create an industrial community as best they can. With us it means the creation of new industries and the sustaining of the old, and making all prosperous and profitable alike. It means for all time to come, an unlimited supply of fuels and ores for four large iron furnaces in and tributary to Anniston. It means placing in the most favored position the large coke furnaces that are now building. It

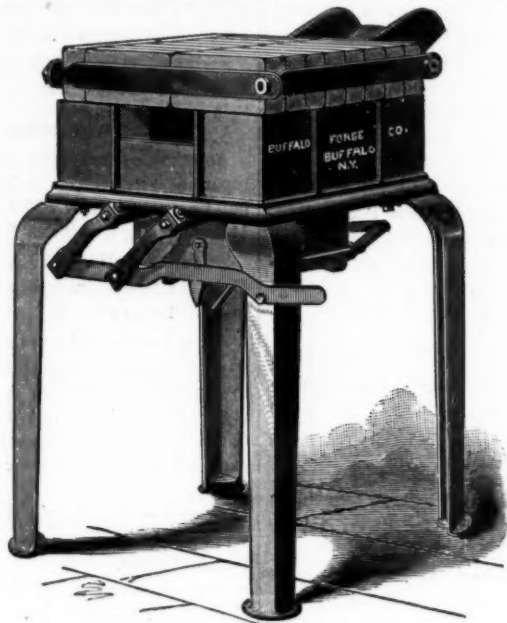


FIG. 1.—BUFFALO HEATING FORGE.

helve and steam hammers. They have double shaking grates and blast gate for regulating the blast.

The manufacturers can furnish any of these forges arranged to suit the various kinds of work. Nos. 32, 33, 34, 35, 36 and 37 they make with openings on one or both sides and coal chute on one or both ends; also with openings on one or both ends and coal chute on one or both sides. Nos. 32 and 33, with openings on both ends, make a very desirable double forge for short light work. These forges are made by the Buffalo Forge Co., of Buffalo, N. Y.

means cheap iron and fuel for the largest and most complete pipe foundry in America now in course of construction; it means the command of the finest timber in the world for car works, and cheap iron, cheap coal for our foundries, our rolling mills, our forges, our wheel foundry and steel works and cotton factory. It means cheap transportation and easy access to all parts of our common country, for the products of our industry, and the return of commodities in exchange; it means a careful and prudent investment of capital that will yield a profitable return, and build and sustain every mercantile and

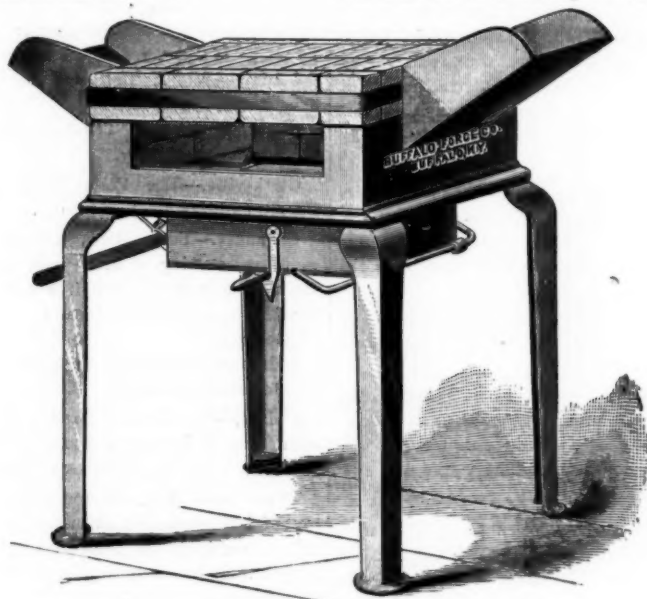


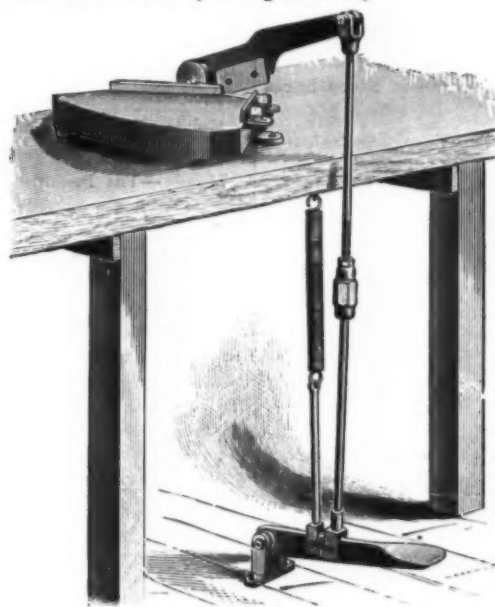
FIG. 2.—BUFFALO HEATING FORGE.

MANAGERS of mills, factories, furnaces, mines, etc., and parties starting manufacturing enterprises, and needing machinery or supplies of any kind, will find it profitable to consult the advertising columns of the MANUFACTURERS' RECORD. Its pages contain names of the best houses in the country among manufacturers of and dealers in machinery and mill supplies.

business interest, add to the wealth of our State and community, and open up new markets to our merchants. It means the creation of a home market for our agriculturist and with our diversified manufactures rendering diversified farming not only possible but profitable. It means the increase of wealth and purchasing power of all our people—farmers and artisans alike—and their ability to command what every man from youth up dreams and struggles to acquire,

the greatest amount of the necessities, the comforts and the luxuries of life. Thus, as far as possible, has the future of Anniston been secured, and it seems that nothing has been unthought of or left undone—its great industries located, its means of transportation provided. No niggard hand has cramped its new enterprises for space, but every acre that will be needed for generations to come, even under the greatest favorable development, has been given them. All this has been done not by the expenditure of hundreds of thousands, but by many millions of dollars. It has been done without the issue of a bond or mortgage, a note, or a single evidence of debt, relieving all our enterprises of all fixed charges, either in times of prosperity or depression. It has been done judiciously, and to make profitable the use of nature's capital in the great mineral resources with which she has surrounded us, and it rests now for a united and unselfish citizenship to aid and second what so far has been done. With a united community, all working for the common good of all, the greatest measure of wealth and success will follow. Without it and the protective policy, that has rendered the building of Anniston possible, and that has opened up the great mineral resources of the South, success cannot be assured. We must create a healthy public opinion that will compel our legislators to continue and perpetuate the commercial policy that was instituted by the

try on which men of all parties can unite; a commercial policy that has been advocated on the one hand, and a financial policy that, if I am not mistaken, originated on the other, by a statesman who to-day, after 27 years of unselfish labor and devotion in promoting the interests and prosperity of his countrymen, a leader among men, with a reputation that for purity of character and honesty and unselfishness of purpose, even his enemies acknowledge is above suspicion—the great statesman of both parties—a leader, and co operative with, in advocating these great questions of national importance, on which the prosperity of our country depends, and who has, by the strength of his arguments and the weight of his character and convictions, been honored with the proud title of an industry that has been the foundation of and that has created the wealth and prosperity of the greatest agricultural and manufacturing State in the Union. It is to honor that statesman that we are here to-night. He has reached his 73d year of a life spent with all the iron will, energy and lovable nature of his character in bettering the condition of his fellow men. I feel it an honor to be numbered among his friends, and I am very sure that every man who is present to-night is as much gratified as myself that we have had an opportunity of celebrating the 73d anniversary of this distinguished statesman under such favorable auspices in our beautiful and progressive city.



ROOFING NOTCHER.

Roofing Notcher.

The accompanying illustration shows a new roofing corner notcher for cutting off the corners of roofing sheets, 3 or 4 sheets at a time, made by the Niagara Stamping & Tool Co., of Buffalo, N. Y.

This roofing notcher has one fixed and one adjustable gage, whereby the corners can be notched to any size required. The machine has a treadle to operate the same, thereby giving the operator an opportunity to use both hands for handling the sheets of roofing tin.

This machine is a most serviceable tool, and all roofers will find it of much value. This notcher is made for both the bench and on legs.

SAN ANTONIO, TEXAS, April 16, 1887.

Editor Manufacturers' Record:

The copy of "THE NEW SOUTH" came safely to hand, for which accept my acknowledgements. The work greatly surpasses my expectations, both in the elegance of style and finish and in the matter it contains. Judging from the accuracy of its details in reference to this section and others with which I have some personal acquaintance, exceeding great care must have been bestowed upon its preparation. The thoroughness and accuracy of the work certainly reflect great credit upon the undertakers of the enterprise, and the benefits that will result to the South from the publication and circulation of the work as you contemplate will be of incalculable advantage to the South.

ELIAS EDMONDS.

great statesmen—the founders of our government—a policy that compelled a foreign and alien people to pay a license for the privilege of doing a business in the markets of our country that our people built up—a license, paid out of the profits of the foreigner, that relieved us of direct taxation for the support of our army and navy, the payment of the principal and interest of our public debt and the other expenses of the government. We demand a public opinion that will compel our legislators to adopt the financial policy that will not increase, but diminish to a golden mean, the purchasing power of money; that will stimulate and reward labor and enable the great producers of our country, the labor that creates the wealth of our nation, the farmer, the miner, the artisan and business man alike, to command what they toil for, the profits of their industry and business, and not doubling their labor in cancelling every evidence, principal and interest, of debt, national, State, city, county, corporate or individual, that our producers owe, and that if ever paid can only be paid out of the profits earned by labor. We should create a public opinion that will compel our Southern statesmen to adopt that commercial and financial policy that alone will lift the people of the South out of the dust and place them on their feet, and relieve them of the burden of mortgage and debt; a sound business policy affecting the prosperity of our coun-

CONSTRUCTION DEPARTMENT.

WE PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

Anniston.—The Baptists will build a church corner of 14th street and Quintard avenue.

Anniston.—A. B. Fry will erect a three-story building on Noble street.

Anniston.—Taylor & Son, of Cincinnati, O., will erect fire-brick works with a daily capacity of about 30,000 bricks. Will employ not less than 100 hands. They have received contracts for 3,000,000 bricks for the new furnaces, &c.

Ashby.—H. H. Carr, of Birmingham, will start the fire-brick works reported last week. The capacity will be about 20,000 bricks daily.

Birmingham.—The Tennessee Coal, Iron & Railroad Co., T. T. Hillman, vice-president, will receive proposals until May 14 for boring a well from 500 to 1,500 feet deep.

Birmingham.—The Georgia Pacific Railroad Co., are building a branch road to Bessemer.

Birmingham.—The East Birmingham Sad Iron Works, capital stock \$25,000, has been organized, and will build the sad iron works reported last week.

Birmingham.—The East Birmingham Land Co. are negotiating for the erection of a rolling mill, chain works, stove works, &c.

Birmingham.—N. D. Chapin has contracted to bore a 1,500-foot oil well for the Alabama Asphalt Mining & Land Co., previously reported.

Birmingham.—The Alabama Gold Mining & Land Co. has been organized, with Charles M. Erwin as president; James B. Merrill, of Edwardsville, vice-president; and Robert E. Merrill, Edwardsville, secretary. The authorized capital stock is \$1,000,000.

Birmingham.—The Birmingham Water Works will build a reservoir with 1,000,000 gallons capacity.

Birmingham.—The Birmingham Natural Gas & Fuel Co. will build gas works, and have let the contract to the United Gas Improvement Co., of Philadelphia. The company have contracted with W. D. Chapin to bore a well for natural gas. Ten miles of pipe have been bought.

Calera.—The South Calera Land & Improvement Co. will build a street railroad two miles long.

Choccolocco.—New machinery will be put in the brick-yard of G. Lock.

Choccolocco.—Brick works will be started by Mr. Stevens, of Birmingham.

Choccolocco.—G. H. Bryan & Bro. will erect brick works at once.

Decatur.—Bethard & Co. have lately erected a sash, door and blind factory.

Decatur.—Negotiations are pending for the building of water works by a New York company. The Decatur Land & Improvement Co. can give particulars.

De Armanville.—Water works are to be built. E. S. Seaman can give information.

Escambia County.—34,000 acres of timber lands have been purchased by parties who will build a saw and planing mill.

Eden.—A company is being formed to supply Eden with water.

Florence.—A company has been formed to build a rolling mill. A site has been selected and work will soon begin. The Florence Land, Mining & Manufacturing Co. can probably give particulars.

Florence.—The Gallatin, Murfreesboro, Florence & Sheffield Railroad Co. has been organized with E. A. O'Neal as president; W. C. Sherrod, vice-president; H. C. Jones, Jr., secretary, and J. G. W. Leftwich, treasurer.

Florence.—The Florence, Tuscaloosa & Montgomery Railroad Co., previously reported, has been organized with William B. Wood as president; P. D. Roddey, vice-president, and Sterling Wood, secretary.

Florence.—B. F. Conreart will build a planing mill and has purchased machinery.

Florence.—It is reported that a site has been donated to parties who will build a brewery. The Florence Land, Mining & Manufacturing Co. can probably give particulars.

Hartselle.—The Hartselle Land Co. have increased their capital stock from \$20,000 to \$400,000.

Mobile.—J. W. Black contemplates building a dry dock.

Mobile.—The Progress Electric Light & Motor Co. has been organized with S. S. Rubera as president, and H. W. Shields, secretary. The company will erect a plant at once and are now negotiating for machinery.

Montgomery.—The contract for the brick work of the mill previously reported to be built by the Southern Cotton Oil Co., of Philadelphia, Pa., has been let to Figh & Williams. Chambers & Moore have received the contract for the wood work.

Opelika.—The East Alabama Railroad Co. have increased their capital stock from \$200,000 to \$400,000, and have let the contract to grade the extension of their road to Roanoke, 17 miles, to H. S. Perkins, of Dunham. R. J. Trammell, Opelika, has received the contract to furnish cross-ties and build the bridges.

Tuscaloosa.—The capital stock of the Friedman Furnace Co. has been increased from \$150,000 to \$300,000.

Sheffield.—The Eureka Brick & Lumber Co. will increase their capital stock from \$30,000 to \$50,000 and put in some additional machinery.

Selma.—D. M. Scott is organizing a company to build car works. The capital stock will probably be \$250,000.

Six Mile.—Lewis McSpadden has started a brick-yard.

Sheffield.—The Sheffield Coal & Iron Co. will build 100 houses to cost about \$100,000.

Sheffield.—A company will be chartered to build a grain elevator. A. J. Moses can probably give information.

Sheffield.—Horace Ware will probably build an opera house.

Uniontown.—Mr. Bush has built a saw mill 5 miles from Uniontown.

ARKANSAS.

Antimony City.—The Southwestern Telephone & Telegraph Co., capital stock \$5,000, has been chartered by Thomas W. Doyle and others.

Bear.—Barnes & Roger have purchased a site with a view to erecting a stamp mill.

Bear.—The Golden Wonder Mining Co. and the Excelsior Mining Co. will each erect a five-stamp mill, with sufficient power for five additional stamps.

Bear.—W. H. Triggerson, of St. Thomas, Canada, will build an \$8,000 hotel.

Clarksville.—J. E. Cravens, J. N. Brown, George N. Paine, J. W. Coffman, J. M. Thompson and others have formed a company to develop mineral lands.

Dallas.—S. P. Miller and G. W. Porter, of Little Rock, will develop mineral lands.

Dardanelle.—J. K. Perry, Joseph Evins, Thomas Cox, G. S. Cunningham, G. L. Kimball, W. H. Gee and L. C. Hall, of Dardanelle, and others have chartered the Dardanelle & Little Rock Railroad Co., capital stock \$1,250,000, to build a 75-mile railroad from Dardanelle to Little Rock.

Fort Smith.—The Missouri Pacific Railway Co. (office, St. Louis, Mo.) have made a proposition to build a union depot and machine shops at Fort Smith, and a bridge across the Arkansas river, which will be accepted.

Fort Smith.—The Belt Line Street Railroad Co. and the Sulphur Springs Railway Co. have been organized.

Fort Smith.—A large four-story hotel will be built at a cost of \$75,000.

Hackett City.—A company has been organized to build a \$10,000 hotel. H. W. Fannin can probably give information.

Hackett City.—A company has been formed to manufacture the Belle cotton press.

Hot Springs.—John J. Sumpter is organizing a company to develop gold and silver mines.

Little Rock.—The Price Lumber Co., reported last week as incorporated, by P. B. Price and others, will build at once a shingle mill with a daily capacity of 75,000 shingles. A saw mill may be added.

Little Rock.—Fred. Roesch and Charles Schutte are purchasing machinery for a new wagon factory.

Little Rock.—A steam laundry has been started by A. & S. Frank.

Little Rock.—D. R. Wing & Co. are building a two-story addition, 50x140 feet, to their machine shops.

Little Rock.—John B. Jones, P. Raleigh and E. W. Kimball, of Little Rock; James K. Riffel, Kansas City, Mo., and John S. Braddock, Mt. Vernon, O., have incorporated the Little Rock Belt Railway Co., capital stock \$200,000, to build a belt railroad about 9 miles long.

Little Rock.—R. W. Worthen and others have formed a company to develop iron ore lands.

Monticello.—There is talk of water works being built.

Newport.—The Future City Oil Mill Co., of St. Louis, will build a large cotton-seed warehouse.

Pine Bluff.—The St. Louis Water, Light & Power Co., previously reported as receiving the contract to build water works, will begin work at once. The works will cost about \$155,000.

Texarkana.—E. A. Warner, Samuel Lemby, C. C. Dorrin, Benjamin Whitaker, Larry Klein and others have incorporated the State Line Railway Co., capital stock \$25,000, to build a street railroad.

Van Buren.—The Van Buren Ice & Coal Co., capital stock \$13,000, has been incorporated to manufacture ice and develop coal lands. George R. Wood is president; O. P. Brown, vice-president; P. D. Scott, secretary, and T. W. Edmondson, treasurer.

FLORIDA.

Cedar Key.—F. A. Wolfe & Co. will increase the capacity of their cedar pencil mill.

Liverpool.—The Bocca Grande Railway Co. has been incorporated to build a railroad about 50 miles long.

Liverpool.—The Grove City Land Co. will build a 100-room hotel.

Mayport.—A. McCallum has built lime works at a cost of \$5,000.

Sanford.—The Betts Fencing Co., of Bellevue, previously reported as contemplating erecting a fence factory, have purchased a site and will build a factory at once. Machinery is now being purchased.

Sorrento.—A saw mill will be built by William Emerson. The daily capacity will be 8 M feet.

GEORGIA.

Americus.—The name of the company reported last week as being organized to build a cotton factory will be the Muckalee Manufacturing Co. Allen Fort is interested.

Atlanta.—J. Haas, W. A. Hemphill and Hoke Smith will incorporate a company to build a street railroad.

Atlanta.—The Atlanta Gas Light Economizer Co., capital stock \$100,000, has been incorporated by Charles A. Collier, A. D. Adair, A. C. Briscoe, J. A. Burns, Henry W. Grady and others. The object of the company is to use and manufacture gas economizers.

Atlanta.—The Woven Cord Furniture Co., of Chicago, Ill., contemplate erecting a branch factory.

Atlanta.—Boyd & Baxter want to purchase a second-hand boiler from 30 to 40 horse-power.

Athens.—The contract to build the opera house, previously reported, has been let to McGinty & Co.

Augusta.—The D'Antignac Real Estate & Improvement Co., capital stock \$35,000, has been incorporated by Harris H. D'Antignac and others.

Augusta.—Jacob Phinizy, J. J. Cohen, Stewart Phinizy, J. O. Matthewson, George R. Sibley and others have chartered the Augusta Opera House Co., capital stock \$25,000, to build the new opera house previously reported.

Austell.—Horton & Ware, of Atlanta, will erect a saw mill near Austell. Have purchased machinery.

Boston.—A saw mill is being erected by Culpepper & Forster.

Canton.—W. T. Bull and others will develop mica lands.

Cave Spring.—Mr. Trimbath will erect ore-washing machinery.

Clarksville.—The Porter Manufacturing Co. are building a cotton factory.

Chauncey.—Bush Bros., reported last week as starting a brick-yard, are testing their clay, and will, if it is satisfactory, erect a plant with a capacity of about 30,000 daily.

Dalton.—A company is being organized to develop stone quarries.

Dalton.—The Dalton Land & Improvement Co., capital stock \$50,000, has been chartered by G. W. Hamilton and others.

Decatur.—Barrett, Denton & Lynn, reported last week as contemplating putting roller machinery in their flour mill, are negotiating for machinery for a mill of 200 barrels capacity daily.

Elberton.—The Methodists will build a \$10,000 church. Plans have been prepared.

Gainesville.—The Gainesville Cotton Manufacturing Co., A. D. Candler, president, will increase their capital stock from \$50,000 to \$200,000. Their factory will be completed and in operation by September.

Macon.—Brick works will be started by John Ruan, Scott Clark and others.

Macon.—K. J. Lamar, H. J. Lamar, Jr., W. B. Sparks, W. W. Collins, J. Lane, H. L. Jewett, R. F. Lawton and others will organize a \$500,000 construction company to build the Macon & Florida Air Line Railroad.

Macon.—S. S. Dunlap, J. H. Campbell, H. M. Wortham, F. S. Johnson, John L. Culver, L. E. Culver and others have chartered the Macon Agricultural Works, capital stock \$25,000. Will build the agricultural implement factory reported last week.

Macon.—The city has decided by popular vote to issue bonds to build a market house.

Marietta.—The Marietta & North Georgia Railroad Co. will change their road to the standard gauge, and extend it, it is stated, to Knoxville, Tenn.

Milledgeville.—A. L. Ellison contemplates starting a tannery.

Pelham.—Daniel Kurce will probably rebuild his gin, reported last week as burned.

Rockmart.—William Tudor and Frederick Hesart will reopen old copper mines and will, it is said, erect a furnace.

Rome.—A company has been organized to build a soap factory. F. Pence can probably give information.

Savannah.—The Central Railroad & Banking Co. will erect a three-story building on Broad street, 71x108 feet. Bids will soon be wanted.

Thomasville.—The Baptists and the Episcopalians will each build new churches to cost about \$12,000.

KENTUCKY.

Ashland.—The Ashland Dry Dock Co., capital stock \$5,000, has been chartered by R. C. Richardson, R. D. Jeffers, J. W. Henderson, John Kobs, J. H. Stewart and W. Meinhardt.

Ashland.—The Denmark Water Power & Iron Co. has been incorporated by Edwin P. Merritt, Charles H. Merritt and William H. Clarkson. The authorized capital stock is \$200,000.

Augusta.—S. W. McKibben will sink a gas well.

Covington.—John S. Nowotny, John J. McCarty, George P. Quiggin, A. H. Honshell and L. R. Keck have incorporated the Nowotny Manufacturing Co., capital stock \$5,000, to manufacture and sell an attachment for scrubbing brushes and other novelties.

Ford.—White Bros., of Winchester, will start a brick-yard.

Ford.—A saw mill is being erected by Asher Bros.

Henderson.—A \$200,000 land and improvement company has been organized by S. K. Sneed, Montgomery Merritt, C. L. King, James E. Rankin, J. H. Harding and others.

Lexington.—It is stated that the P. C. Manufacturing Co., of Paterson, N. J., will move their medicine factory to Lexington.

Louisville.—The city council have appropriated \$15,000 to build a school.

Owensboro.—B. Driver will start a carriage factory.

Richmond.—A company has been formed to bore for natural gas.

LOUISIANA.

Arcadia.—A company is being organized to erect a cotton compress.

Mansfield.—The capital stock of the De Soto Coal & Iron Prospecting Co. has been increased from \$2,000 to \$4,000.

Morgan City.—The Atchafalaya & Plaquemines Improvement Co. has lately been organized.

New Orleans.—The Southern Gas Economizer, capital stock \$100,000, will be organized to use and manufacture gas economizers.

St. Charles Parish.—Emile Rost is adding new machinery to his sugar mill.

MARYLAND.

Baltimore.—The National Consumers' Meat Co. are building an ice factory on Poca street.

Calverton (P. O., Baltimore).—S. P. De-muth & Son have received the contract to build a school at \$5,590.70.

Easton.—John W. Barber & Co. have purchased machinery to start a roller flour mill.

Mechanicstown.—The Mechanicstown Water Co. has been organized with Van B. Osler as president; John R. Rouzer, vice-president; S. M. Birely, secretary, and George W. Stocksdale, treasurer. The capital stock is \$10,000.

MISSISSIPPI.

Columbus.—A company is being organized to erect an electric light plant.

Columbus.—It is reported that a flouring mill is to be erected.

Corinth.—M. A. Dowell has erected stave machinery.

Corinth.—The W. T. Adams Machine Co., capital stock \$50,000, will be chartered by W. T. Adams, S. D. Bramlitt, W. D. Tynes, S. R. Jacobs and R. E. Nisbet. The object of the company will be to operate the foundry and machine shop of W. T. Adams and manufacture plows, machinery, furniture, etc.

Fulton.—A lumber mill will be established by C. Cates.

Holly Springs.—The Holly Springs Stone-ware Co. are enlarging their works.

Meridian.—George, Crane & Bardwell have purchased new machinery for their candy factory.

Meridian.—The Vicksburg & Meridian Railroad Co., Richard Carroll, Meridian, general superintendent, will build a branch road to Bradon.

Natchez.—Dixon Bros. will start a stained glass factory. Have received some machinery.

Tupelo.—John M. Allen will organize a company to start a tile factory.

Vicksburg.—Vincent & Hogan have contracted for a \$10,000 building, and S. Spengler will build a \$15,000 residence.

NORTH CAROLINA.

Asheville.—The Asheville Electric Light & Power Co. have ordered machinery for incandescent lighting, with a capacity for 300 lights.

Asheville.—James Riley has started a grist and feed mill with a daily capacity of 120 bushels.

Charlotte.—Phillip Schiff has erected a new bone mill. The daily capacity is 9 tons.

Charlotte.—Carson Bros. will refit their grist mill with new machinery.

Durham.—W. A. Kirkman wants the address of manufacturers of machinery used in cotton-seed oil mills.

Durham.—The Blackwell's Durham Tobacco Co. will put three large new boilers in their factory.

Fayetteville.—The Beaver Creek & Bluff Mills, E. J. Lilly, president, have lately put considerable new machinery in their cotton mill, and are now building an addition, 25x40 feet, for a packing and machine room.

Franklinton.—J. D. Joyner will erect a planing mill, and wants to purchase a 50 horse-power engine, a 50 horse-power return tubular boiler and other machinery.

Henderson.—D. Y. Cooper will build a large warehouse, 110x200 feet.

Onslow County.—Ward & Rochelle have started a saw mill.

Parkwood.—The North Carolina Millstone Co. will build a small ice factory and develop a mineral paint mine.

Raleigh.—The Falls of Neuse Manufacturing Co. have built an addition, 40x75 feet, to their cotton factory and added 40 plaid looms.

Swan Quarter.—The mill recently reported as being erected by Spencer Bros. is a grist mill, and not a saw mill, as stated.

Vandalia.—G. L. Anthony contemplates starting a canning factory and wants to purchase machinery.

SOUTH CAROLINA.

Charleston.—Robert McCarroll has received the contract to build a pier for the U. S. government. It will cost \$33,000.

Charleston.—The Charleston Steam Laundry Co. will erect a building, 56x140 feet, for a laundry and a shirt and underwear factory.

Rock Hill.—W. S. Creighton & Co. have erected planing machinery.

Rock Hill.—G. A. Cowan will start a smoking tobacco factory near Rock Hill.

Sumter.—The proposition of the Charles F. Blakeman Manufacturing Co., of Boston, Mass., to build water works, has been accepted.

Triangle.—A company is being formed to start a hub and handle factory. Mr. Sullivan is interested.

Union.—It is probable that a company will be formed to build a cotton factory.

TENNESSEE.

Athens.—The contract to build the street railroad previously reported has been let to J. L. Young at \$4,000.

Chattanooga.—The Chattanooga Baking & Candy Co., capital stock \$30,000, has been organized by A. A. Aull, F. M. Clarke, W. P. Aull, A. Aull and R. N. Aull.

Chattanooga.—It is reported that Gibson, Lee & Co. are preparing to enlarge their stove foundry.

Chattanooga.—The Blount Stave & Machine Co. will erect the barrel factory reported last week. Work has been commenced.

Chattanooga.—S. D. Duncan will establish a wool carding, cotton spinning and carpet cleaning factory on Market street.

Chattanooga.—The Vehicle Spring Co. will, it is said, enlarge their capacity.

Chattanooga.—The Lookout Ice & Cold Storage Co. are improving their plant.

Chattanooga.—A two-story planing mill is being built on Payne street by H. A. Johnson & Co. It will cost \$4,000.

Chattanooga.—M. B. Parham will, it is said, enlarge his mattress factory.

Chattanooga.—J. Howenstine will erect a planing mill and box factory.

Chattanooga.—The Enterprise Cotton & Fruit Basket Co. will shortly erect a basket factory.

Chattanooga.—The Chattanooga Lumber & Manufacturing Co., reported last week as organized, contemplate building a coffin factory.

Cleveland.—A company is being formed to bore for oil and gas.

Columbia.—J. R. Lamb and F. H. Smith have formed a company to manufacture furniture.

Dayton.—W. E. Thomson, representing the Allegheny Oil & Gas Co., of Pennsylvania, is leasing oil lands to develop them.

Jasper.—Mr. Smith, of Nashville, has received the contract to build the college previously reported.

Johnson City.—The Johnson City Furniture Co. have commenced work on a new factory. It will be three stories, 200x300 feet.

Johnson City.—Brick works will be started. C. K. McCallum can give particulars.

Johnson City.—The Johnson City Water Works Co. has been chartered and will build the works reported last week. C. K. McCallum is president.

Johnson City.—The Johnson City Electric Light Co. has been organized with C. K. McCallum as president. Will erect the electric light plant reported last week.

Johnson City.—C. K. McCallum will erect a 5-ton ice factory. He has contracted for machinery.

Knoxville.—C. B. Woodward, H. Clark, M. J. K. Gentle, J. M. Houser, B. F. Brown, D. E. Mooney and J. W. Smith

have chartered the Knights of Labor Co-operative Shirt & Overall Manufacturing Co., capital stock \$10,000.

Knoxville.—The Coal Creek Mining Co., T. H. Heald, president, are opening two new mines, and will erect hoisting machinery, boilers, pumps, &c., at a cost of about \$30,000.

Knoxville.—F. A. R. Scott, J. White, J. H. Cruze, J. C. Neily and S. H. George have incorporated the Fountain Head Railroad Co., to build a dummy railroad.

Knoxville.—A \$250,000 stock company is being organized to manufacture stoves.

Loudon.—A. W. Ward will enlarge his marble mill lately erected.

Marcella Falls.—Claxton & Renfro are rebuilding their tannery, saw mill and grist mill reported last week as burned. The loss was \$5,000.

McMinnville.—The Annis Cotton Mill Co., capital stock \$21,000, has been organized to operate the Annis Cotton Mills, previously reported as being refitted with new machinery. W. P. Faulkner is president and general manager, and Asa Crowder, secretary and treasurer.

McMinnville.—The capital stock of the Falcon Roller Mill Co., reported last week as incorporated, is \$10,000. W. P. Faulkner is president, and Jesse Walling, secretary and treasurer.

Memphis.—The Bluff City Brick & Manufacturing Co. has been incorporated.

Memphis.—The Chickasaw Land Co., capital stock \$2,000,000, has lately been organized.

Montvale.—J. C. Engle is developing silver mines.

Nashville.—J. P. McFarland will erect a \$6,000 stable.

Nashville.—The Landsburg Mining & Concentrating Co. has been incorporated.

Nashville.—The West Nashville Passenger Railway Co. has been chartered by S. W. Steel, Volney James, George K. Whitworth, E. T. Noel, L. H. Davis, J. H. Moore and others.

Nashville.—The capital stock of the cold storage company reported last week as incorporated is \$25,000. D. C. Scales is president; W. D. Mayo, vice-president, and J. B. Northrop, secretary and treasurer.

Troy.—The Troy & Tiptonville Railway Co. have reorganized and have contracted for the building of their road. It will extend from Troy to Tiptonville, Miss.

Tullahoma.—H. P. Dewey contemplates erecting a wood-working factory.

Waverly.—Bids for building a jail to cost about \$7,000 will be received until May 10 by T. L. Lanier.

TEXAS.

Conroe.—The saw and planing mill of J. Conroe, reported in this issue as burned, will be rebuilt at once.

Dallas.—The Christian Church will erect a three-story college to cost about \$20,000. H. S. Howell can give particulars.

Dallas.—Seth Miller and associates have asked permission to erect an electric light plant.

Dallas.—R. Morgan will erect a two-story brick building, 25x200 feet, to cost \$6,000.

Dallas.—The Munger Improved Cotton Machine Manufacturing Co., capital stock \$100,000, has been organized to manufacture machinery, with J. T. Elliott, as president; W. H. Gaston, vice-president; T. E. Littlefield, secretary; James Moroney, treasurer, and R. S. Munger, manager.

Dallas.—J. W. Crowds will erect a three-story building on Commerce street at a cost of \$16,000.

Dallas.—A company has been formed to manufacture screens, &c., with W. S. Simpkins as president, and C. H. Sawyer, secretary and treasurer.

Denison.—The Denison Improvement Co., capital stock \$600,000, has been incorporated. Will build a large three story hotel.

Denton.—A coal mine will be opened on the land of W. J. Austin, 5 miles from Denton.

Fort Worth.—E. T. Sellers and others have formed a company to bore for natural gas.

Fort Worth.—The Fort Worth Iron Works are advertising for bids to build their new works, previously reported.

Fort Worth.—The name of the company reported last week as being formed to enlarge the tannery of Keith & Sons, is the Fort Worth Tannery Co. The capital stock is \$20,000. The directors are J. R. Nicks, G. F. Keith, L. W. Alexander and others.

Henderson.—A canning factory will be established by J. H. Douglas, of Tyler.

Henderson.—The contract to build the jail previously reported has been awarded to S. N. Pickens, of Palestine.

Houston.—It is stated that the Howard Oil Co. have commenced rebuilding their burned oil mill.

Live Oak.—Live Oak county will build a new jail and courthouse.

Masterville.—L. N. Bruce will put roller machinery in his flour mill.

Midlothian.—G. W. Shaffer, of Cleveland, O., has purchased a flour mill and will refit it with roller machinery.

Sugarland.—L. E. Ellis is enlarging his sugar mill.

Sweetwater.—George McRay, of Brownwood, has received the contract to build the school, previously reported, at \$4,950.

Tyler.—B. Fish and associates have bought the water works and will at once enlarge and extend them.

Tyler.—S. N. Fordyce, Thomas Tutts and R. C. Kereus, of St. Louis, contemplate building gas works at a cost of about \$60,000.

Tyler.—A stock company has been organized to build a large hotel.

Van Horn.—Ore mines are being developed by the San Antonio Mining Co.

VIRGINIA.

Christianburg.—The Radford Land Improvement Co. has been chartered with Jos. I. Doran, of Philadelphia, Pa., as president. It is said that the company will build a furnace.

Green Forest.—It is stated that Northern capitalists have formed a company to purchase and develop the Buena Vista iron ore property and build a large furnace. If true, C. F. Jordan can probably give particulars.

Lynchburg.—J. R. Gilliam and others will organize a land and improvement company.

Lynchburg.—A company is being organized to start a trunk factory.

Lynchburg.—The Piedmont Electric Light Co. will put in 5 additional 10 horse-power dynamos for incandescent lighting.

Portsmouth.—It is rumored that a \$1,000,000 company has been formed to erect extensive car works.

Suffolk.—C. W. Pettit has started machine works.

Tazewell C. H.—The Clinch Valley Railroad Co., previously reported as incorporated, has been organized with Joseph I. Doran, of Philadelphia, Pa., as president; A. J. May, vice-president; Charles H. Mellon, secretary and treasurer, and W. W. Coe, chief engineer. The object of the company is to build the extension of the Norfolk & Western Railroad from Graham, Tazewell county, to a connection with the Louisville & Nashville Railroad, now being extended eastward from Corbin, Ky. The capital stock is to be not less than \$400,000 nor more than \$4,000,000.

Tazewell C. H.—The Clinch Valley Coal & Iron Co., previously reported as incorporated, has been organized with William C. Bullitt, of Philadelphia, Pa., as president; Adolf Ladenburg, New York, vice-president, and Evans R. Dick, treasurer. The capital stock is to be not less than \$250,000 nor more than \$10,000,000. The company have recently purchased about 45,000 acres of coal lands and about 6,000 acres of iron ore lands and contemplate erecting several iron furnaces, but have, as yet, decided on no exact location.

Tazewell C. H.—The Tazewell Coal & Iron Co., previously reported as chartered, has been organized with Frank Huger, of Lynchburg, as president, and J. G. Osburn, secretary and treasurer. The capital stock paid in is \$200,000. The company owns about 25,000 acres of mineral lands, which they will develop.

Wytheville.—The city will decide by popular vote on May 7 whether or not to issue \$60,000 of bonds to build water works and light the city with electric lights.

WEST VIRGINIA.

Echo.—M. T. Davis, reported last week as to start coke works near Echo, is opening a new mine on New river, and will build coke ovens. He will operate under the name of the Central Coal Co.

Fort Spring.—Huddleston & Appling have lately started a fertilizer factory.

Parkersburg.—The Bentley & Gerwig Furniture Co. have enlarged their furniture factory.

Parkersburg.—The Camden Consolidated Oil Co. are building paraffine works.

Ritchie C. H.—William Morris will rebuild his saw mill lately reported as damaged by a boiler explosion. The loss was \$1,800.

BURNED.

Conroe, Texas.—The saw and planing mill of J. Conroe; loss \$5,000. Will be rebuilt at once.

Fayetteville, Tenn.—The saw mill of George Fay; loss \$12,000.

Guyton, Ga.—The saw mill of A. E. Bird. Hattiesburg, Miss.—The saw mill, grist mill and gin of Mr. Kamper.

Indian Town, N. C.—The grist mill and gin of Stevens, Bray & Co; loss \$1,500.

Judsonia, Ark.—The saw mill of Whitmore & Summers; loss \$5,000.

Marshall, Texas.—The gin of T. Wells.

Nectar, Ala.—The gin of Mr. Haire.

Petersburg, Va.—The planing mill of Orr & Holt; loss \$5,000.

Polk County, Tenn.—The grist and saw mill of T. T. Briggs.

Tails Creek, Ga.—The distillery of J. S. & H. Worley.

Machinery Wanted.

FRANKLINTON, N. C., April 21, 1887.

Editor Manufacturers' Record:
I intend to put in a planing mill, and other machinery suitable for getting up material for house-building purposes. I wish to buy a 50-horse-power engine and 50-horse-power return tubular boiler; also a good planer and matcher, a resawing machine and a band saw of moderate capacity. I would buy second hand machinery if good. I have a saw mill, shingle mill, lath mill, cotton gin, and corn and wheat mills, and corn and cob crusher at my place now.

J. D. JOYNER.

Erecting Shuttle Block Factory.

LINCOLNTON, N. C., April 19, 1887.

Editor Manufacturers' Record:
I am erecting a shuttle block and rim factory, and will have it in operation in about two weeks. I expect to turn out about 2,000 blocks per day and in addition will be able to turn out several hundred hickory rims.

J. L. KISTNER.

Information Wanted.

WINSTON, N. C., April 20, 1887.

Editor Manufacturers' Record:

A party here desires information relative to the manufacture of cigar boxes, the amount of capital required to conduct a small-sized business, the percentage of profits, the necessary machinery, the cost of wood, material and the best places to purchase. A practical man who has had charge of such an enterprise in its mechanical department may find it to his advantage to correspond with the undersigned.

EDWARD A. OLDHAM.

Machinery Wanted.

DURHAM, N. C., April 18, 1887.

Editor Manufacturers' Record:

I want the names of two or three manufacturers of cotton seed oil machinery; I mean the crushers and cake formers; the hullers and linters I have information of. I wish to know of some other manufacturers besides Smith & Vaile, of Dayton, Ohio.

W. A. KIRKHAM

SWAN QUARTER, N. C., April 18, 1887.

Editor Manufacturers' Record:

We will erect a grist mill in a few weeks. Will use a 6-horse-power engine.

SPENCER BROS.

To Build a Cotton Factory.

FORT MILL, S. C., April 18, 1887.

Editor Manufacturers' Record:

We are to build a cotton factory here.

S. E. WHITE.

To Develop Copper Mines.

ROCKMART, GA., April 19, 1887.

Editor Manufacturers' Record:

The copper mines are now being opened up again by Wm. Tudor and Frederick Heart. They have bought up the lands around the mines. I learn too they will put up a furnace and will run the business on a larger scale than heretofore.

W. C. STOVALL.

MALVERN, ARK., April 19, 1887.

Editor Manufacturers' Record:

We expect to build a court house in Hot Spring county within the next twelve months at a cost of not less than \$10,000. The house to be built of brick.

J. H. B. ADAMS.

VILLA RICA GA., April 18, 1887.

Editor Manufacturers' Record:

The Villa Rica Lumber Co., composed of men of Atlanta and Anniston, have a paid in capital of \$25,000 and controls output of 7 mills. Are now erecting steam dryer and planer.

A. S. JOHNSTON, Manager.

A Mining and Smelting Company.

HOT SPRINGS, ARK., April 19, 1887.

Editor Manufacturers' Record:

The Cosmos Mining & Smelting Co. was organized on the 9th of April with head office at Memphis and branch offices under management of Mr. Max Roller at Hot Springs. Wm. Streuli, president, Jos. Grossmann, vice president, Jos. Burger, secretary, and Gus. Limberg, treasurer. The company owns ten claims in the Blue Creek Mining District, Montgomery county, Ark., which are among the very best in that locality.

MAX ROLLER.

Saw Mill.

ATLANTA, GA., April 19, 1887.

Editor Manufacturers' Record:

Horton & Ware, of Atlanta, have purchased of Russell & Co. a 16-horse-power saw mill outfit and will operate near Austell, Ga.

J. W. DUNN.

To Build Coke Ovens.

COAL VALLEY, W. VA., April 21, 1887.

Editor Manufacturers' Record:

I am opening up a new mine on New river between Fire creek and Echo, and will build coke ovens and operate under the corporate name of Central Coal Co.

M. T. DAVIS.

CALERA, ALA., April 21, 1887.

Editor Manufacturers' Record:

We intend to build a hotel at South Calera, Ala., soon.

SOUTH CALERA LAND & IMP. CO.

New Machinery.

ASHEVILLE, N. C., April 21, 1887.

Editor Manufacturers' Record:

Have started grist and feed mill, capacity 120 bus. per day, and I hope to increase same by fall. We have ordered a 300-light incandescent brush machine for central station work, and hope to be running by second week in May in connection with our arc lighting.

ASHEVILLE ELECTRIC LIGHT & POWER CO.

JAMES RILEY, Superintendent.

New Buildings at Augusta.

AUGUSTA, GA. April 21, 1887.

Editor Manufacturers' Record:

We will build a brick and stone school house for 400 pupils to cost \$15,000. There will be erected in our city a new hotel to cost \$80,000, a public building to cost \$125,000, a Young Men's Christian Association building to cost \$30,000, a new opera house to cost \$100,000.

LAWTON B. EVANS.

Superintendent Public school.

CALERA, ALA., April 20, 1887.

Editor Manufacturers' Record:

The South Calera Land & Improvement Co. have made a survey for their dummy and transfer line between Calera and South Calera, two miles, which will be built in the near future. The company will put on a bus line to run between said places until the dummy line is completed. We have just found a very valuable roofing slate, and want to open correspondence with some of the Vermont slate men. Can you put us in communication with them?

J. D. HARDY.

NASHVILLE, TENN., April 20, 1887.

Editor Manufacturers' Record:

The Nashville Cold Storage Co. has been organized with D. C. Scales as president, Wm. D. Mayo, vice president and J. B. Northrop, secretary and treasurer. Have cold rooms with the capacity of four car loads. Charter was granted on 13th inst. Office is corner of Union and Walnut streets.

J. B. NORTHROP.

Will Rebuild Saw Mill.

CAIRO, GA., April 22, 1887.

Editor Manufacturers' Record:

We are going to rebuild again as soon as possible. Shall be in operation in a week or two.

DEKLE & BUTLER.

Lime Works.

JACKSONVILLE, FLA., April 23, 1887.

Editor Manufacturers' Record:

Two lime kilns are already built at a cost of \$5,000, which I will put to work immediately. There are also large fertilizing works on the island, but I will not do anything with them at present.

A. MCCALLUN.

BIRMINGHAM, ALA., April 19, 1887.

Editor Manufacturers' Record:

We have gone into the coffee roasting business on an extensive scale, having the latest improved coffee roasting machinery, with a capacity of 5,000 pounds daily.

B. WENDELL & Co.

Water Works to be Built.

HINTON, W. VA., April 23, 1887.
Editor Manufacturers' Record:
 Our town has decided to build water works and has voted the money for that purpose. Would like to hear from contractors, &c.
 J. PRINCE.

CHOCOLOCCO, ALA., April 24, 1887.
Editor Manufacturers' Record:
 Messrs. N. D. Harvey & Co. contemplate starting up their brick yard in this place about May 1, 1887. Col. G. Lock will soon put in a new plant at his present brick-yard, making the second plant.
 J. F. M. DAVIS.

New Machinery.

RALEIGH, N. C., April 22, 1887.
Editor Manufacturers' Record:
 The Falls of Neuse Manufacturing Co. has made an addition of 40x75 feet to their building and 40 plaid looms to their machinery, and will put in a steam engine by June 1st.
 G. ROSENTHAL, Sec. & Treas.

KNOXVILLE, TENN., April 22, 1887.
Editor Manufacturers' Record:
 All arrangements have been perfected by myself and others to establish here a shirt and overall factory. Work will begin Monday. Capital stock \$10,000. It is a chartered enterprise. Will start on a small scale, but within three months we expect to have eight or ten machines running. Will not build for the present.
 C. B. WOODWARD.

CHATTANOOGA, TENN., April 22, 1887.
Editor Manufacturers' Record:
 I have lately started a coffee roasting and spice milling establishment in Chattanooga.
 H. H. EMBREY.

Adding New Machinery.

COLMUBUS, GA., April 22, 1887.
Editor Manufacturers' Record:
 We will add fifty looms to our mill and other necessary machinery; all of which is ordered.
 CLERG MFG. CO.

Steam Saw Mill.

CHAUNCEY, GA., April 21, 1887.
Editor Manufacturers' Record:
 We have started a brick-yard in a small way to test our clay, and if we find it good will put in a plant of 25 or 35 thousand per day capacity. Mr. A. B. Steele, of Atlanta, will start a steam saw mill at this place in 8 or 10 days to cut 75,000 to 100,000 feet per day.
 M. M. BUSH.

SELMA, ALA., April 18, 1887.
Editor Manufacturers' Record:
 Messrs. Armour & Co., of Chicago, Ill., have entered into contract with the Selma Land & Improvement Co. to build them a supply depot containing a refrigerator for the safe handling of the products of a regular packing house, including green as well as cured meats.
 H. H. STEWART & CO.

Electric-Light Plant to be Built.

COOPERS, W. VA., April 22, 1887.
Editor Manufacturers' Record:
 I am one of the several who have organized an electric-light company at Roanoke, Va. We will use the Edison incandescent light.
 HENRY FAIFAX.

Erecting Flour and Grist Mill.

WEST POINT, GA., April 21, 1887.
Editor Manufacturers' Record:
 I am erecting a flour and grist mill in connection with my guano factory and gin-nery.
 W. N. GACHET.

To Build a Fence Factory.

BELLEVUE, FLA., April 21, 1887.
Editor Manufacturers' Record:
 We are starting a new factory at Sanford. We have purchased a good lot near the J. T. & K. W. Railway track, and on the South Florida railroad. We shall erect a fire-proof factory at once, and put in an engine and boiler. I go North the coming week to purchase the necessary machinery for making the fencing; also wire and staples, none of which can be bought in the South, or rather, none of which is made in the South. The orders which we have already received almost assure the success of the enterprise, to say nothing of the large territory around Sanford which we can draw from.
 THOS. PARKES, Manager.

To Add New Machinery.

CHATTANOOGA, TENN., April 21, 1887.
Editor Manufacturers' Record:
 On the first of this month Mr. W. S. Bell, of Atlanta, Messrs. C. W. Coke, N. I. Mayes and myself purchased the Hewitt, Parent & Wheeler Saw Mill, in this city, together with about five acres of ground for \$25,000. We shall continue making lumber; will add a planing and resawing machine at once, and will add other machinery next fall. We will not be able to do much sawing this season on account of the short time we will have in which to get logs. The logging will end very soon now, as they only run logs during the winter and spring months. Our intention now is to put up a coffin factory, but have not fully matured our plans yet. We will take in one or two other parties; will then stock our company at \$100,000, all of which will be taken by the members of the firm.
 H. L. DAVIS.

Boiler Wanted.

ATLANTA, GA., April 18, 1887.
Editor Manufacturers' Record:
 Boyd & Baxter want a second-hand boiler from 30 to 40 horse power.
 J. W. DUNN.

SELMA, ALA., April 20, 1887.
Editor Manufacturers' Record:
 Our company is formed and ready for business. We will begin active operations as soon as we can make contracts for rolls, buildings and chain works. The company to bore for oil and gas is not yet complete, but will, I think, finish its organization within a week.
 SELMA ROLLING MILL & CHAIN WORKS CO.
 R. S. WETMORE Secretary.

A Furniture Factory.

COLUMBIA, TENN., April 22, 1887.
Editor Manufacturers' Record:
 My furniture factory will be in operation in about three months.
 W. J. OAKES.

To Erect an Electric-Light Plant.

GAINESVILLE, TEXAS, April 20, 1887.
Editor Manufacturers' Record:
 Jno. T. Walker, E. A. Blanton, J. H. Andrews, B. S. Brooks, and myself, have formed an incorporated company under the name of Gainesville Electric Light, Heat & Power Co., for the purpose of erecting a plant to generate electricity for light, heat and power purposes.
 C. C. POTTER.

To Build Water Works.

DEARMANVILLE, ALA., April 22, 1887.
Editor Manufacturers' Record:
 The stock has been all subscribed for water works. A brick yard or something of that kind is being started; as the railroad is putting in a switch for a party by the name of Bryant.
 E. S. SEAMAN.

To Erect Terra Cotta Works.

BIRMINGHAM, ALA., April 22, 1887.
Editor Manufacturers' Record:
 I have bought the right of the counties of Calhoun and Jefferson, of this State, to manufacture and sell the terra cotta lumber, from the International Terra Cotta Lumber Co. The plant will be erected at Bessemer, Ala., and will be known as the Bessemer Terra Cotta Lumber Co. Major E. A. Burke, Wm. Berney, R. A. Corbin, Sam. Brittle, E. S. Nash, W. H. H. Judson, H. F. DeBardeleben, and others, are connected with this enterprise.
 WALTER W. DAVIN.

ATLANTA, GA., April 23, 1887.
Editor Manufacturers' Record:
 Application for charter for a street railway has been made by W. A. Hemphill, Jacob Haas and Hoke Smith.
 X.

DUTTON, FLA., April 21, 1887.
Editor Manufacturers' Record:
 We have erected a shop in Dutton on a small scale. We are prepared to do all kinds of wood work.
 WELLS & MITCHELL.

CHARLOTTE, N. C., April 21, 1887.
Editor Manufacturers' Record:
 I have erected a new bone mill.
 PHILIP SCHIFF.

To Build Shingle Mill.

LITTLE ROCK, ARK., April 21, 1887.
Editor Manufacturers' Record:
 I have recently organized a company for the purpose of manufacturing and dealing in cypress lumber and shingles. Will erect a mill immediately with capacity of 75,000 shingles and possibly will attach saw mill of 20,000 feet per day. Farley Price is secretary and president.
 P. B. PRICE.

To Erect Concentrating Works.

KNOXVILLE, TENN., April 23, 1887.
Editor Manufacturers' Record:
 We will put in concentrating works at our zinc mines, using a large plant of crushers, rollers, jigs, screws, engines, boilers, &c., and shall do it at once.
 EDES MIXTER & HEALD ZINC CO.
 F. H. HEALD.

Building Water Works.

JOHNSON CITY, TENN., April 20, 1887.
Editor Manufacturers' Record:
 We are putting in water works here on a very extensive scale, and expect when completed to have the best system and best free stone water in the South. We expect shortly to put in the best system of electric light, both arc and incandescent, and hope to go on an extensive scale. Also ice and brick machines will start soon.
 JOHNSON CITY WATER WKS. & ELEC. CO.,
 C. K. MCCALLUM, President.

Contemplate Refitting Flour Mill.

DALTON, GA., April 22, 1887.
Editor Manufacturers' Record:
 We contemplate a change to a complete roller mill. Are figuring with mill builders, and if we can make satisfactory arrangements, are pretty sure that we will make the change to a complete 200 barrel mill.
 BARRETT, DENTON & LYNN.

Building Furniture Factory.

KINGSLAND, ARK., April 19, 1887.
Editor Manufacturers' Record:
 The furniture factory now being built here will be owned and operated by Messrs. Davies & Son.
 A. L. GRESHAM.

Mining Notes from Arkansas.

BEAR, ARK., April 23, 1887.
Editor Manufacturers' Record:
 The Bear Mountain Mining Co. will erect a stamp mill at as early a day as possible; some important points to settle yet.
 The Lost Louisiana Co. have purchased a ten-stamp mill, with power for 20.
 Barnes & Roger have bought a stamp mill site, with a view to erect mills to reduce the Windsor ore.
 The Golden Wonder Co. will put in a five-stamp mill, with power for ten.
 The Excelsior Co. will put in a five-stamp mill, with power for ten.
 Barnes & Roger have completed their bank building and are ready for business, with telephone and telegraph connection.
 W. H. Triggerson, of St. Thomas, Canada, has purchased a site in the city of Bear. Will erect a large hotel to cost \$10,000.
 The town is building up as fast as the four mills can supply the lumber.
 A. M. B.

Opened Coal Mines.

REES TANNERY, W. VA., April 22, 1887.
Editor Manufacturers' Record:
 I have opened up at Bayard a nice vein of coal that can be dumped from mouth of mine into cars. This vein that is opened is 4 feet 9 inches thick; coal of superior quality, as good if not better than the 14-foot vein in Maryland. Have some 4 other veins to open up yet on same track of land, which contains 465 acres.
 JAS. B. REES.

MCMINNVILLE, TENN., April 23, 1887.
Editor Manufacturers' Record:
 We have incorporated our roller mill company. The style of firm is Falcon Roller Mill Co. Paid-in capital \$10,000 with privilege to increase to 15,000. W. P. Faulkner, president, and Jesse Walling, secretary and treasurer. I have also bought out the cotton mills at this place and incorporated it; paid-in capital \$21,000, with privilege to increase to \$100,000. Style of firm is Annis Cotton Mill Co. W. P. Faulkner, president and general manager, Asa Crowder secretary and treasurer.
 W. P. FAULKNER.

Fertilizer Factory.

FORT SPRING, W. VA., April 25, 1887.
Editor Manufacturers' Record:
 We have started a fertilizer manufactory. We are capacitated to furnish 1,000 tons per season, and should the demand justify can increase it 3 or 4 times as great.
 HUDDLESTON & APPLING.

Building Cotton Factory.

GAINESVILLE, GA., April 21, 1887.
Editor Manufacturers' Record:
 The Gainesville Cotton Manufacturing Co. is organized and at work in building. Will begin manufacturing 1st Sept. Capital \$50,000. Will increase to \$200,000.
 H. D. CANDLER, President.

WYTHEVILLE, VA., April 25th, 1887.
Editor Manufacturers' Record:
 A vote will be taken in Wytheville on May 7th to decide whether or not the Common Council shall be authorized to issue bonds to the amount of \$60,000 for the purpose of building water works and lighting the town with electricity, and I think there is little doubt of the success of the scheme. There is also a proposition to establish a new bank at this place with a capital of \$250,000.
 BEN. W. TERRY.

WOODBURY, TENN., April 23, 1887.
Editor Manufacturers' Record:
 We have organized a company to develop some iron territory, belonging to us, as soon as the Midland R. R. is built. Our iron lands are on the line of that road as surveyed.
 JAMES A. JONES.

Rebuilding Saw and Grist Mills.

MARCELLA FALLS, TENN., April 23, 1887.
Editor Manufacturers' Record:

Our tan yard, saw mill and grist mills were burned on the night of April 12. We are rebuilding. Our loss was about \$5,000.
CLAYTON & RENFRO.

Opening New Mines.

KNOXVILLE, TENN., April 23, 1887.
Editor Manufacturers' Record:

The Coal Creek Mining Co. are opening two large mines in addition to their present mines and will put in hoisting machinery, engines, boilers, pumps, &c., costing about \$30,000.
T. H. HEALD.

To Build Iron Furnaces.

PHILADELPHIA, PA., April 25, 1887.
Editor Manufacturers' Record:

The Clinch Valley Coal & Iron Company have just completed their organization. They have recently purchased about 45,000 acres of coal lands and 6,000 acres of iron ore lands, and contemplate the erection of furnaces, but the exact location has not yet been decided upon.
F. J. KIMBALL.
Pres. N. & W. R. R.

BLUE WING, N. C., April 21, 1887.
Editor Manufacturers' Record:

From all appearances and from the most reliable information attainable, there is no doubt but what this locality will be the seat of another Southern boom during the coming summer. Within a radius of a few miles from this place are located (recently discovered), some of the richest deposits of copper yet found in the United States. A railroad is now in the course of construction from Clarksville, Va., to this place, and when that is completed there will be a better communication with the markets, and facilitate the disposition of ores. Considerable of the distance has been already graded on this road and a large force are now at work pushing the enterprise to a final termination. No section of the South presents a brighter prospect than this. The high grade of copper ores of this district is a remarkable feature, the ores running from 25 to 60 per cent.
R.

BIRMINGHAM, ALA., April 25, 1887.
Editor Manufacturers' Record:

Several parties here and of Louisville, together with the United Gas & Improvement Co., have formed the company to supply this place with natural gas and are now boring for it.
ROBERT JEMISON.

TUPELO, MISS., April 23, 1887.
Editor Manufacturers' Record:

Hon. John M. Allen, M. C., is proposing to organize a tile factory here.
P.

REIDSVILLE, N. C., April 25, 1887.
Editor Manufacturers' Record:

Please do us the kindness to give us the address of the manufacturer of the adjustable dado or grooving head illustrated on the page of your paper herewith enclosed. We think it is the thing we are looking for, and as you do not give the maker's address, we know of no other way to get it.
IRON-BOUND BUCKET CO.

[Enclosed in this letter was a page torn from the MANUFACTURERS' RECORD of April 18, 1885, over two years ago, in which was given an illustration of a dado heading made by P. Pryibil, of 461 West 40th street, New York. This is a good illustration of the fact that the benefit of an advertisement does not end with the issue of the paper in which it is published.—ED.]

HENDERSON, N. C., April 25, 1887.
Editor Manufacturers' Record:

I will commence work on a large tobacco warehouse about the 20th of May, 110x200 feet. Basement floor 70x200. It is to be built of brick.
D. Y. COOPER.

TO READERS OF ADVERTISEMENTS.

Readers of the MANUFACTURERS' RECORD who order any goods herein advertised, or ask for information concerning them, will oblige the publishers by stating that they saw the announcement in the columns of this paper.

CHANCERY SALE.

Under decree of Chancery Court at Jonesboro, Tenn., I will on May 21, 1887, on premises at Telford's Station, on East Tennessee, Virginia & Georgia Railroad, in Washington County, Tenn., sell at Auction without redemption the Lands, Factory, Buildings and Machinery heretofore owned by "Telford Agricultural Manufacturing Company."

About ten acres Land; splendid three-story Factory; fine Water-power; 23 horse-power new iron Turbine Wheel; Foundry; Saw Mill; Planer; iron, wood, spoke and handle Lathes; buff Wheel; emery Stone; press and stove Drills; casting Grinder and Cleaner; jointing, band, cut-off and rip Saws; Beam Machine; Flasks; Follow Boards; Plow, Stove and Hollow-ware Patterns; noiseless Blower; Core Stove; Scales; Vises; Benches; Shafting; Pulleys; Belting, &c. Machinery suitable for making Farming Implements, Plows, Stoves, Spokes, Handles.

TERMS.—Ten per cent. on confirmation, balance 12, 18 and 24 months, equal instalments; notes with personal security and lien on property. A. B. BOWMAN, Clerk and Master.

DRAPER-RIDDLE LAND CO.

Anniston, Ala.

BUY AND SELL LAND
On most reasonable terms.
Any information concerning Anniston will be cheerfully given.
Stocks and Bonds Bought and Sold on Commission.

Public Sale

OF LOTS IN
South Pittsburg, Tenn.

The South Pittsburg City Company has decided to begin the sale of their manufacturing, business and residence lots on

TUESDAY, MAY 10, 1887.

Special rates of fare on the railroads, and ample accommodations at reduced rates in the Hotels. For maps, descriptive pamphlets and terms of sale, address

G. C. CONNOR, Sect'y,
South Pittsburg, Tenn.

STEEL RAILS

COMPLETE OUT-FIT FOR

Logging, Mining and Plantation

RAIL AND TRAM ROADS.

Light Sections Rails and Spikes in stock. Locomotives, Logging Cars, etc.
NEW AND SECOND HAND.

HUMPHREYS & SAYCE,
OFFICE NO. 1 BROADWAY, N. Y.

WM. E. TANNER,

No. 1415 Main Street, Richmond, Va.
Is prepared to furnish promptly

LIGHT LOCOMOTIVES,
Dummies for Street Railroads,

Pole Railway Locomotives and Cars,
ENGINES, BOILERS, & SAW MILLS.

Also, Freight Cars, of all styles, Railroad Spikes, Fish Plates, Bolts, Car Axles, Car Wheels, Trucks, Links, Pins, and other Car Forgings, Bar Iron, Steel Horse Shoes.

IRON ORES. LIME. MARBLE.
COAL. CEMENT. LUMBER.
Produced at Wilsonia.

Lawrason Levering,
WILSONIA, GRANT CO., W. VA.
Represented in Philadelphia by
J. W. SWEET, JR., 35 N. Seventh St.

HARD-WOOD TIMBER LANDS

WATER POWER FOR COTTON OR PAPER MILL.

We have for sale several large and very valuable tracts of Hard-wood Timber Lands, situated on railroad convenient to Danville, Va., suitable for handle, spoke, wheel, plow, carriage and wagon timber. Also good sites for the location of wool-working and other plants at Danville, Va. We also have for sale an exceedingly valuable one hundred horse water-power in the corporation of Danville, Va., specially adapted for Cotton or Paper Mills. Correspondence solicited.

RUFFIN & HAIRSTON, Real Estate Agents, DANVILLE, VA.

O. H. PARKER & CO.

Anniston, Ala.

BUY AND SELL

Real Estate, Stocks and Bonds

ON COMMISSION.

Correspondence solicited. Refer to First National Bank of Anniston. Advantageous Manufacturing Sites Obtained Free.

B. K. COLLIER & CO.

Investment Agents,

HEAD OFFICE:
MONTGOMERY, ALA.

BRANCH OFFICES:
Birmingham, Ala., Decatur, Ala.,
Chattanooga, Tenn.
COAL, IRON, PINE and FARMING
Lands Bought and Sold.

MORTGAGES NEGOTIATED on Farm and City Property.
Refer to THE CORBIN BANKING CO., New York City. Address all letters to Head Office.

D. W. K. PEACOCK,

Real Estate Agent,
CARTERSVILLE, GA.

Minerals a Specialty.
Refers to THE HOWARD BANK, Cartersville, Ga.
J. W. RANKIN, Atlanta, Ga.

HOWARD WILLIAMS. GORDON MACDONALD.
MACDONALD & WILLIAMS,
Attorneys at Law.
ANNISTON, ALA.

Special attention given to Commercial Law, Conveyancing, and the Investigation of Land Titles.
Refer by permission to D. T. Parker, President First National Bank.

FORT SCOTT, KANSAS.

Attention of Capitalists and Manufacturers is called to the numerous advantages existing at Fort Scott, Kansas, which will soon make this city one of the most important manufacturing and commercial points in the West, and enable it to maintain its present supremacy over all other cities in this State. The natural facilities are unequalled. Coal of the best quality is sold at \$1.50 to 2.00 per ton; slack, 50 cents to \$1 per ton, delivered. Abundance of stone and brick, best quality. Natural gas is fully developed, and used for all purposes. Facilities for transportation and distribution are unequalled, being already the junction of five trunk railways. Direct communication with lumber regions of Mo. and Ark. Correspondence solicited.
SECRETARY BOARD OF TRADE.

LEDBETTER & CO.

Land and Loan Association.

(INCORPORATED.)

Commission Dealers in Lands, Stocks and Bonds.

City and Mineral Property a Specialty.

Capital Stock
\$100,000.

REFERENCES:
First National Bank, Anniston, Ala.
Col. Jno. M. McKleroy, Pres. Anniston City Land Co.

ANNISTON, ALA.

CORRESPONDENCE SOLICITED.

TRADE NOTES.

THE Jarvis Engineering Co., of Boston, are receiving many enquiries in regard to their new style of brick chimney. The claim that they can be erected for thirty three percent. less than the ordinary brick chimney is attracting considerable attention from steam users. They can be built either square or round and to any desired height. The inside wall or core is attached to the outside wall, but all the way up there is an air-space between. The flue is gradually expanded as it rises and is from six to twelve inches larger at the top than the base. This expansion relieves the draft from any friction of passing smoke or gas and increases the capacity of the chimney 25 per cent. The Jarvis Co. are building a chimney for the Edison Illuminating Co., Brockton Mass., that is half up, and will start two more for the Edison Co. stations in Boston. They have also orders to erect one for a paper mill in Holyoke, and one for a woolen mill near Lawrence.

THE Western Steel Works, St. Louis, Mo., the Union Steel Co., Chicago, Ill., the Joliet Steel Co., Joliet, Ill., the Cleveland Rolling Mill, Cleveland, Ohio, the North Chicago Rolling Mill, Chicago, Ill., the Worcester Steel Works, Worcester, Mass., the Standard Steel Co., Philadelphia, Pa., and other manufacturers using large quantities of water in their mills, were formerly troubled by mud, grit and soluble impurities that caused scale and deposits in boilers cut out the valves in pumps and hydraulic machinery, damaged rolls, etc. The extra consumption of fuel, loss of heat, expense for labor, repairs and the necessity of shutting down in busy seasons was a serious matter. To obviate this they thoroughly tested the Hyatt Pure Water system; several using small plants for this purpose, and imposing the severest conditions upon them. The results were so satisfactory that larger plants were at once ordered, having daily capacities varying from 500,000 to over 1,000,000 gallons. One company, whose water supply is generally very muddy, reports that in October, 1886, using filtered water, as against June preceding, using unfiltered water, they consumed 1,700 tons of coal less and manufactured 1,600 tons of steel rails more. By using clean water, steam was generated so rapidly that they were enabled to cut off several boilers and at the same time run their machinery faster and produce a larger output with the same labor account. They also saved the expense of repairing pumps, of cleaning boilers and of shutting down at least once a week to repair the hydraulic machinery driving the cranes, and were able to make long uninterrupted runs, a thing heretofore unknown in the history of their works. Other of the parties mentioned secured further advantages by taking water from the nearest stream or source, saving cost of water taxes, the Hyatt System furnishing better water, at nominal cost, however turbid the supply.

WE call attention to the advertisement in this issue of Harrington & King, manufacturers of perforated sheet metals, 224 and 226 N. Union street, Chicago, as one of the leading firms in this line in the West. Their establishment is equipped with machinery for making every kind of perforated metal used in breweries, oil mills, refineries, &c. They report an increasing trade in the South, and have been so rushed with business that they find it difficult to keep up with orders.

THE Hughes Bros.' Steam Pump Works, of Cleveland, Ohio, are running on double turn, and are crowded with orders.

THE Morris Perfection Drive Well Point is the name for a new well point manufactured in Chicago, for which a number of improvements and new advantages are claimed. An illustration of the same will soon appear in the MANUFACTURERS' RECORD.

INGERSOLL ROCK DRILL CO. report following sales, viz: Mary Murphy Mining Co., of Colorado—1 20x30 inch Ingersoll Straight Line Air Compressor, 1 Ingersoll Air Receiver, 2 60-horse-power Ingersoll Boilers, 7 Ingersoll Eclipse Rock Drills and 1 carload W. I. pipe for conveying the air from the compressor plant to the tunnel where the drills will be operated. Lady Murphy Mining Co., of Colorado—1 14x24 inch Ingersoll Straight Line Air Compressor, 1 60-horse-power Ingersoll Boiler, 3 3 inch Ingersoll Eclipse Drills and Columns; the plant will be located at the switch and the air conveyed up the mountain through 2,500 feet of 5 inch pipe. Shepard, Winston & Co., for the Galena tunnel on the Chicago, Burlington & Northern Extension of the C. B. & Q. R. R., length, 2,500 feet; size, standard single track—1 20x30 inch Ingersoll Straight Line Air Compressor, 1 16x24 inch Ingersoll Straight Line Air Compressor, 1 54x12 inch Ingersoll Air Receiver, 1 No. 2 Cameron Pump, 6 3½ inch Ingersoll Eclipse Rock Drills and Tripods, 6 3½ inch Ingersoll Eclipse Rock Drills, 6 6 inch Ingersoll New Style Tunnel Column, 600 feet 1 inch Ingersoll Airhose, 50 feet 1 inch Ingersoll Steamhose, 150 feet 3 inch Ingersoll Airhose, Dericks, Dumpcars, etc., etc. Larson, Keife & Co., for the Wickes Tunnel, Montana, length, 6,100 feet; size 16x20 feet, 2 20x30 inch Ingersoll Straight Line Air Compressors, 2 40 inch by 17 feet Ingersoll Air Receivers, 16 3½ inch Ingersoll Eclipse Rock Drills, 4 6 inch Ingersoll Tunnel Columns, 7 feet long, 4 6 inch Ingersoll Tunnel Column, 7 feet long; probably the Alberg System will be adopted. Prize Mining Co., Central city, Colorado—1 12x18 inch Ingersoll Straight Line Air Compressor, 1 36 inch by 8 feet Ingersoll Air Receiver, 1 70-horse-power Ingersoll Boiler, 2 2½ inch Ingersoll Eclipse Rock Drills, 1 4½ inch Ingersoll Shaft Bar, 1 4½ inch Ingersoll New Style Tunnel Column, 1,000 feet 2½ inch Ingersoll W. I. Pipe, also steels, hose, etc. Paritan Mine, Bessemer Mich.—1 16x24 inch Ingersoll Straight Line Air Compressor, 4 3 inch Ingersoll Eclipse Rock Drills. Colby Mine, Bessemer, Mich.—1 20x30 inch Ingersoll Straight Line Air Compressor, 10 3 inch Ingersoll Eclipse Rock Drills. The Ingersoll Rock Drill Co. sold more machinery in March, 1887, than in any Month since they have been in business and up to date April business has exceeded the March sales.

THE value of the Davidson Steam Pump as a fire pump was most satisfactorily tested recently at a large fire which occurred at the works of the Oval Wood Dish Co., Mancelona, Mich. The buildings were all frame, and would have been entirely destroyed had it not been for the efficient work done by the Davidson Steam Pump, which practically saved the saw mill department complete, boiler and engine house containing five boilers and two large engines. These buildings were attached to, and part of the main factory building which was destroyed. The M. T. Davidson Steam Pump Co., N. Y., have received a very complimentary letter from the proprietors.

THE Silsby Manufacturing Co., of Seneca Falls, New York, have published in a most attractive style a very interesting book, entitled "Fire Service in Great Cities." In this book is traced the origin and growth of the fire service in American cities from the primitive ways of olden times to the completely equipped fire departments of the present day. The book is well written, finely printed and handsomely illustrated. It contains a great amount of very interesting and instructive matter. The same company have also published a handsome catalogue of fire apparatus and a price-list of fire department apparatus and supplies, improved Holly Rotary Pumps and supplies for mill fire protection. While these books are all excellently gotten up, printed on costly paper in the latest style of the art, they are intended for free distribution.

MESSRS. R. SWORMSTEDT & CO., whose advertisement will be found in this issue have formed a copartnership for conducting a general millwright and mill furnishing business. Mr. Swormstedt is well known to the Southern trade, having commenced this line of business in 1872, while the other partners are thoroughly practical men of long experience. These gentlemen are prepared to estimate for, design and contract for all manner of millwright work and furnishings, including both long and short systems of roller mills, and all other branches of millwrighting, steam engine and boiler work. They have secured the sole Eastern and Southern agency of the Roller Chain Belting Co., whose chain belting is so well and favorably known that it is needless to comment on its merits. The members of this firm are thoroughly posted in all branches of their business, and as general mill furnishers have every facility at hand for the construction and equipment of grist, flour and saw mills, fertilizer factories, &c., of any dimension. They have just received a contract for a 100 barrel flour mill, and have good prospects for a large amount of work. They have a large warehouse, 603 N. Calvert street, Baltimore, which is well adapted to the business.

IN order to accommodate the large passenger travel between Cincinnati and the Lima and Findlay, Ohio, oil and gas fields, the Cincinnati, Hamilton & Dayton Railroad has placed a local Pullman sleeper upon its line, to run between Cincinnati and Lima, Ohio. This will also accommodate parties going to Findlay, as the car leaves Cincinnati on 10 P. M. train and arrives at Lima at 3 11 A. M., where car is set on siding, and Lima passengers can remain in car until 7 A. M. Passengers for Findlay and Sandusky can sleep until 6.15 A. M., and then have sufficient time to partake of a first-class breakfast at the French House, adjoining the station, and take the 7 A. M. train on Lake Erie & Western Railway, arriving at Findlay 8.17 A. M. and Sandusky 10.45 A. M. Returning, passengers leaving Sandusky at 5.45 P. M. and Findlay at 8.03 P. M., arrive at Lima 9.10 P. M. The sleeping car does not leave Lima until 1.40 A. M., but passengers can get into sleeping car any time after 8.30 P. M. and arrive at Cincinnati at 6.40 A. M. Passengers are allowed to remain in car until 7 A. M. This car will run daily.

THE Hall Steam Pump Co., 91 Liberty street, New York, have been awarded by the city of Philadelphia, at the recommendation of the Franklin Institute, the John Scott medal and premium for their duplex steam pump.

THE Preble Machine Co., of Chicago, Ill., manufacturers of wood-working machinery, report business largely on the increase. They have placed many of their machines in the South recently, one of their latest shipments being a large Dimension Planer to Mississippi. The above firm have already in use over 260 of their machines in the city of Chicago. One of the latest additions to their line of machinery is a new resawing machine, which is giving very satisfactory results wherever used. Any further information regarding this new machine, and others manufactured by the Preble Machine Co., will be furnished promptly upon application.

WE are informed that the Examiner of Interferences in the Patent Office, Washington, has decided the interference declared between the invention of Mr. Wm. T. Carroll on a spinning spindle owned by Messrs. George Draper & Sons, of Hopedale, Mass., and that of Mr. Chapman owned by the Eureka Spindle Co., in favor of Mr. Carroll. This decision is an official endorsement of the claims of the Messrs. Draper, that Mr. Carroll was the original inventor of the combination of principles involved in the construction of the spindle in question.

THE Board of Examiners in Chief of the United States Patent Office at Washington, have confirmed the decision of the Examiner of Interferences, which decision was to the effect that Mr. Clark, of Lawrence, Mass., was the original inventor of the system of returning chains over a grooved pulley at or near the cylinder of the warper, thus economizing space and making the operation of baling more convenient. The Clark baling machine is sold by the Hopedale Machine Co.

THE Chicago Rawhide Manufacturing Co., Chicago, Ill., report an increasing business in foreign countries, as well as nearer home. Among recent shipments made are unsolicited orders for large quantities of rawhide belting to Australia and Alaska. This enterprising firm have since their establishment, some eight years ago, made rapid strides in business. Their rawhide belting has a national reputation, and is daily growing in popularity.

SOME idea of the general popularity of the Reliance Safety Water Columns may be had from the fact that although the Reliance Gauge Co., of Cleveland, has quadrupled its capacity within the past six months, it is still unable to accumulate any stock. They seem to supply a general want.

List of Patents.

The following Patents were granted to citizens of the Southern States, bearing date April 19, 1887. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

Baker, W. S. G., Baltimore, Md. Dust guard for car axle boxes.....	361,255
Boswell, J. I., near Chase City, Va. Combined cotton seed planter and fertilizer distributor.....	361,484
Cussen, W. J., Richmond, Va. Tobacco bag.....	361,619
Flower, J. M., Walnut Ridge, Ark. Saw setting device.....	361,278
Harryder, W. I., Church Point, La. Harrow.....	361,284
Heffner, George, Louisville, Ky. Nut lock.....	361,515
Helm, Julius, and H. W. Sweeney, Williamsburg, Va. Water heater.....	361,516
Hewitt, D. P., Rockdale, Tex. Farm and garden implement.....	361,519
Hinchiffe, William, Nashville, Tenn. Spindle support for spinning machines.....	361,359
LacLaverie, Bertrand, New Orleans, La. Disinfectant.....	361,636
Lederle, E. E., Waco, Texas. Stove pipe damper.....	361,301
Leslie, W. F., Nashville, Ark. Flow.....	361,366
Lindemann, E. C., Baltimore, Md. Roofing tile.....	361,425
Luchini, Ferdinand, Natchitoches, La. Marine motor.....	361,305
Marshall, Henry, Valdosta, Ga. Fertilizer distributing attachment for wagons.....	361,433
McKee, F. T., Falmouth, Ky. Car-coupling.....	361,437
Merrick, Sarah J., San Antonio, Tex. Pen or pencil holder.....	361,535
Pegner, W. T., Mansfield, La. Device for distributing fertilizers.....	361,543
Perkins, H. S., Dunham, Ala. Rotary engine.....	361,447
Rathbone, J. S., Asheville, N. C. Tag and tag fastener.....	361,451
Ross, G. M., Slate, W. Va. Hay fork.....	361,650
Russell, T. W., Union Bridge, Md. Hen's nest.....	361,651
Scott, D. J., Ridgeway, N. C. Pocket protector.....	361,454
Stinson, D. N., West Point, Miss. Grave vault.....	361,466
Thoms, Burchard, New Orleans, La. Decorating machine.....	361,381
Thompson, Thomas, Edenon, N. C. Fish trap.....	361,470
Thomson, Archie, Chattanooga, Tenn. Balanced slide valve.....	361,389
Vesey, T. C., and W. C. White, West Point, Miss. Fire-place.....	361,657
Wilson, James, Moundsville, W. Va. Lifting jack.....	361,564

A. P. THAYER,
Solicitor of U. S. and Foreign
PATENTS,
No. 86 Astor House, New York.

Experience of Over 20 Years.

OFFICE MANUFACTURERS' RECORD,
BALTIMORE, April 27, 1887.

Baltimore Charcoal Wheel Iron (all			
Baltimore ore).....	\$28	00¢	29 00
Virginia C. B. Charcoal Wheel Iron.....	27	00¢	29 00
Anthracite, No. 1.....	21	00¢	23 00
" " ".....	19	00¢	21 00
" " ".....	17	00¢	19 00
Mottled and White.....	14	00¢	15 00
Old Rails.....	—	¢	23 00
Old Steel Rails.....	22	50¢	23 00
No. 1 Wrought Scrap.....	23	00¢	24 00
Old Car Wheels.....	17	50¢	18 50

SLIDING DOOR SHEAVES.		List Price.
Stearns pattern com. sheave, 2 1/2 in.	\$1.50, 50, 10 & 10	
Stearns pattern com. sheave, 3 in.	\$2.00, 50, 10 & 10	
Stearns pattern com. sheave, 3 1/2 in.	\$2.50, 50, 10 & 10	
Stearns pattern com. sheave, 5 in.	\$3.50, 50, 10 & 10	
Stearns p-tern half field sheave, 3 1/2 in.	\$3.00, 50, 10 & 10	
Stearns pattern half field sheave, 3 in.	\$4.00, 50, 10 & 10	
Stearns pattern half field sheave, 4 in.	\$5.00, 50, 10 & 10	
Stearns pattern half field sheave, 5 in.	\$6.00, 50, 10 & 10	

VISES.		List Price.
Stearns bench.....	\$4 each, 60	
Stearns little giant.....	\$3.00 per doz, 20 & 10	
Stearns saw vise, No. 0.....	\$10.00, 33 1/3 & 10	
Stearns saw vise, No. 1.....	\$21.00, 33 1/3 & 10	
Stearns saw vise, No. 2.....	\$30.00, 33 1/3 & 10	
Stearns saw vise, No. 3.....	\$16.00, 33 1/3 & 10	
Stearns silent saw vise, No. 10, rubber jaw	\$15.00, 35	
Stearns silent saw vise, No. 33, rubber jaw	\$18.00, 35	

The iron trade generally is not quite so strong as a couple of weeks ago, yet it is not easy to discover a positive decline in

HOT-BLAST FOUNDRY.			
Ohio and Southern Strong Coke No. 1.	..	\$1	50@23 00
" " " " " " " "	..	No. 2.	21 00@21 00
" " " " " " " "	..	No. 3.	30 00@20 50
Ohio Soft Stonecoal,	No. 1.	31	00@21 00
Ohio Soft Stonecoal,	No. 2.	31	00@21 00
Mahoning and Shenango Valley Coke,	No. 1.	30	00@24 00
Hanging Rock Charcoal No. 1.	..	24	00@25 00
" " " " " " " "	..	No. 2.	30 00@24 00
Tennessee & Alabama Charcoal No. 1.	..	30	00@23 00
" " " " " " " "	..	No. 2.	31 00@22 00

Nails.—As intimated above, the drop of the card to 2.25 after the continued and vigorous protestations that a considerable advance over that was unremunerative to the manufacturers, has the appearance of a drastic measure, but it is by no means

CHATTANOOGA, TENN., April 25, 1887.

Under the impetus that has been given to trade by the opening of the spring and summer business, operations in all lines have become very active. Wants of the farmers are very many, and to such an extent is the building of new houses being carried on that it seems almost impossible to supply the wants of contractors for building material. A large number of new brick yards have been started. All the saw mills in the country are pressed with orders. Every manufacturer making sash, doors and blinds are running full, and merchants who are handling builders' hardware are working

night and day in shipping their orders. The foundries of the South are, as a general thing, running full, and quite a number of new ones have been started during the past few months. The construction of the new furnaces that have been organized is being pushed as rapidly as possible, and quite a number of new railroad enterprises have been inaugurated. The market for pig iron is not as active as it was a few weeks ago, and prices, so far as observation can go, are tending slightly downward, although not sufficient to change quotations. As yet, none of the furnaces are piling up any stock, and thus far are making sales of their output, although much of the production so far is being placed on old orders. The uncertainty of the future rendition of the commissioners of the interstate law is somewhat embarrassing to some of the large producers of the South, but confidence in the good sense of the commissioners is being freely discussed among the leading business men of the South, that they will do nothing to seriously embarrass the leading trades of the country. A source of much relief to Southern trade has been the establishment of quite a number of private and national banks throughout the country, and this important factor of commerce is getting to be more and more equalized with the North than it ever has been before.

Iron Ore Near Athens, Tenn.

Prof. J. I. Pyott, in a statement in the Athenian, of Athens, regarding the iron ore of that section, says:

"Seven miles southeast of Athens there is a regular stratified iron ore seam seventy-four feet thick, and of regular, uniform quality all the way through. This immense vein is only divided by a few thin seams of slate, and the best of judges cannot see any difference in the quality of the ore from one side to the other, but if any difference at all, it can only be told by a chemical analysis.

The analysis lately made of this ore from carefully selected average samples ran from 51 1/2 to 53 per cent. metallic iron, and from 6 to 8 silica. In speaking of this mammoth vein of ore those who have not seen it are liable to come to the conclusion that it is what is called a "spread" or folding of the vein, but such is not the case. The single seam squarely across is that thick at one point, and at a point 3 1/2 miles distant, by a late careful measurement, was ascertained to be 58 feet of square thickness.

For a large part of the distance along this stratum the ore will average 100 feet above water drainage. The ore is dense and will run about 3 tons to the cubic yard, and can be calculated to a mathematical certainty. It can be gauged, or weighed in the ground, as it is in a continuously connected, unbroken seam, and for 1/4 of a mile along the strata to water drainage will yield one million tons. One great advantage this seam of ore has over any other fossil or stratified ore in this country is that it can be mined much cheaper.

The larger part of the ores used in this Southern iron region are taken from fossiliferous stratas from only three to four feet thick, and mining is the largest item in the cost of ores; hence they can be mined much cheaper from a thick than a thinner vein.

It would be, perhaps, safe to say the ore can be mined from this bonanza seam for one-third the cost of the ores in general use. Owing to its structure it can be easily taken out, as it is in blocks like a brick kiln. Another great advantage this ore has is that it can be mined so cleanly, because it is in hard blocks, and there would be no slack at all to mix with dirt and thereby lessen the yield of iron. Still another advantage to iron producers is that all this ore would be in blocks, and not liable to bridge and chill furnaces. Contrary to the ordinary fossil ores, this colossal vein is just as pure and high in iron in its very thickest as in its thinner points. This immense strata of ore

stands alone, a geographical wonder in the Southern iron regions.

By being the only known stratified fossil ore in the lower Silurian formations, there is no other dye stone or fossiliferous ore, perhaps, in America of its age.

In making the calculation of the yield of this ore to the fourth of the mile, only the ore of self drainage, or above water level, was taken into consideration, and there is no reason why this yield should not be two or three times as much to the distance, for taking this ore down to the water level, though a clearly defined fossil ore, only the slightest trace of lime can be found, and that only by analysis."

Literary Notes.

SCRIBNER'S MAGAZINE for May contains "The Giovanni Bausan, of the Italian Navy," frontispiece, from an instantaneous photograph. "The Development of the Steamship, and the Liverpool Exhibition of 1886," by Commander F. E. Chadwick, United States Navy; "The Tide," by Percival Lowell; "The Residuary Legatee; or, The Posthumous Jest of the late John Austin," part fourth (conclusion), by J. S. of Dale; "A Collection of Unpublished Letters of Thackeray," "Forests of North America," by N. S. Shaler; "At Last," by Philip Bourke Marston, with a biographical note by Louise Chandler Moulton; "Marse Archie's Fight," (a story) by Maria Blunt; "An Irish Wild-flower," by Sarah M. B. Piatt; "The Story of a New York House," (V.) by H. C. Bunner; "An Ocean Graveyard," by J. Macdonald Oxley; "The Manse," a fragment, by Robert Louis Stevenson, &c.

THE annual statistical report of the American Iron and Steel Association for 1887 is now ready for distribution. This report gives complete statistics of the production and prices of all the principal iron and steel products of the United States in 1886 and recent years; also statistics of the production of iron ore and coal in the United States in 1886 and recent years; also statistics of the construction of railroads and iron ships in the United States in 1886 and recent years; also complete statistics for 1886 and recent years of United States imports and exports of iron and steel and imports of iron ore; also statistics for recent years of the iron and steel and coal-mining industries of Great Britain, France, Germany, Belgium, Spain, Sweden, and other foreign countries. A new feature of the report is a complete list of all new blast furnaces and steel works completed in 1886 or now in progress. The book contains 96 pages, and is well printed on good paper. Price, \$2 per copy. Published by the American Iron and Steel Association, Philadelphia.

Important.

When visiting New York city, save baggage express and carriage hire, and stop at the Grand Union Hotel, opposite Grand Central Depot.

600 handsomely furnished rooms at \$1 and upwards per day. European plan. Elevators and all modern conveniences.

Restaurants supplied with the best. Horse cars, stages and elevated railroads to all depots. You can live better for less money at the Grand Union Hotel than any other first-class hotel in the city.

THE Palace Hotel, Cincinnati, Ohio, is said to enjoy the reputation of being the best \$2 hotel in America. 250 rooms; 140 front rooms. All conveniences and excellent cuisine.

THE American House, Boston, is one of the favorite hotels of that city. It has a large patronage of the best class of guests, and visitors will there find a hotel under the most perfect management.

DIXON'S graphite machine grease is not intended for use in an oil cup. For gears, for loose-fitting journals and bearings, where such a grease can be used, complete satisfaction is guaranteed. It is made only by the Jos. Dixon Crucible Co., Jersey City, N. J.

Foreign Exchange Quotations.

ALEXANDER BROWN & SONS.

BALTIMORE, April 27, 1887.

Sterling.—Firm.		Commercial.	
Selling.		60 days.....48 1/2	3 days.....48 1/2
60 days.....48 1/2		3 days.....48 1/2	
Francs.—Steady.		Commercial.	
Selling.		60 days.....—	3 days.....—
60 days.....51 1/2		3 days.....—	
3 days.....51 1/2			
Reichmarks.—		Commercial.	
Selling.		60 days.....94 1/2	3 days.....94 1/2
60 days.....95 1/2		3 days.....95 1/2	
3 days.....96 1/2			
Guineas.—		Commercial.	
Selling.		60 days.....39 3/4	3 days.....39 3/4
60 days.....40 1/2		3 days.....39 3/4	
3 days.....40 1/2			

Baltimore Stock Exchange Quotations.

Reported by ALEXANDER BROWN & SONS, Bankers, Baltimore.

BALTIMORE, April 27, 1887.

	BID.	ASKED.
Virginia 6's Consols C.....	32	32 1/2
Virginia 3-4-5 10-40's.....	42 1/2	43 1/2
Virginia 3's new.....	66 1/2	67 1/2
Virginia Consol Coupons.....	40 1/2	41
N. Carolina 4's.....	98	100
Louisiana 4's.....	88	90
Charlotte, Col. & Aug.....	30	30
Wil. & Wel.....	110	110
Wil. Col. & Aug.....	100	105
Wil. & Wel, Gold 7's.....	120	120
Wil. & Wel, 5's.....	112	112
Wil. Col. & Aug. 6's.....	120	120
Atlan. & Char. 1st, 7's.....	123 1/2	123 1/2
Atlan. & Char. Income 6's.....	103	104
Col. & Green, 1st, 6's.....	106 1/2	108 1/2
Col. & Green, 2d, 6's.....	87 1/2	88
Va. Midland 1st, 6's.....	121	121
Va. Midland 2d, 6's.....	117 1/2	117 1/2
Va. Midland 3d, 5-6.....	110	111
Va. Midland 4th, 5-4-5.....	68	68
Va. Midland 5th, 5's.....	104	104
Ga. Pacific 2d.....	53	55
West Nor. Car. Cons'd 6's.....	90	90
Cape Fear & Y. Valley 6's.....	96 1/2	97 1/2
Seab. & Roanoke 5's.....	112	112
New Orleans Gas 1st 5's Various J & J.....	100	100
Silver Valley.....	200	225
North State.....	57	60
Baltimore & N. Carolina.....	55	60
Conrad Hill.....	20	25
Atlantic Coal.....	70	70
George's Creek.....	80	83
Brush Light.....	73	75

WANTED!

A thoroughly competent man to superintend in a Shuttle, Spoke and Handle Factory; must have good recommendation; none others need apply.

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If you want the BEST, MOST EFFICIENT and DURABLE

CENTRIFUGAL PUMP



LEE'S FILTERING JOINT

Prevents Soot, Leaves, Bugs, Caterpillars or dead Birds from entering the Cistern. It is the Cheapest and Best Filter ever made. It will not clog up. Always set for use. Prices and Descriptive Circulars furnished on application. THOMAS LEE, Patentee and Sole Manufacturer, 46 and 48 Race St., Cincinnati, O.

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SHINGLES,
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GAGE LATHES
For
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LOCKPORT,
N. Y.

For Sale Cheap ON LONG TIME.

- 1 32 in. x 32 in. x 9 ft. heavy, second-hand planer.
- 1 Davis Keyseater, 1/4 in. to 1 in., Keyseater, Bargain.
- 3 Steam Pumps, second-hand. All sizes.
- 1 Chasing Lathe, 17 in. x 5 ft. Bed. New Haven.
- 1 No. 4 Sturtevant Blower. Good as new.
- 1 Second-hand Corn Grinding Mill.
- 1 10 Horse Power and 1 12 Horse Power Portable Engine and Boiler on wheels, second-hand.
- Vertical Engines, 1 to 20 Horse Power.
- Horizontal " 6 to 60
- Vertical and Horizontal Boilers, either iron or steel—any horse power desired.
- Round and Square Tanks—all sizes.
- Saw Mills and Planing Mill Machinery and Machine Shop Tools.

Also,
Shafting, Pulleys, Hangers, Belting, Belt Fasteners, Lace Leather, Belt Grease, Journal Grease, Pipe, Tubes, Fittings, Valves, Pipe Tools, Files, Bolts, Set and Cap Screws, Wrought Rim Pulleys, Sheet Gum and Packing, all kinds. Boiler Scale Preventive, Gardner Governors 1/2 in. to 4 in. in stock.
Headquarters for Gas Engines.
One Sturtevant Blower, Monogram Pattern.

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In the detailed conduct of GOOD HOUSEKEEPING it has never before had so rich a Bill of Fare to lay before its readers as the one prepared for Volume Five. A few of the most appetizing items of the different courses may be named without prejudice to the many other attractive and well prepared side dishes, always awaiting a place on the Table of Contents.

A NEW SERIAL BY CATHERINE OWEN.

Catherine Owen, with the initial number of Volume Five, commences a Serial of practical home life, entitled "MOLLY BISHOP'S FAMILY,—FROM BABYHOOD TO MEN AND WOMEN: A HOME STORY OF LIFE'S VICISSITUDES." This Serial takes up the family of Molly Bishop where it was left at the close of that very popular publication "Ten Dollars Enough," and gives much interesting data and detail regarding the infancy, childhood, manhood and womanhood of the Bishop Family, with practical lessons for the guidance of those who don't know, but would like to know, how the Children of the Household should enjoy health and long life and a wealth of riches, the value of which may not be estimated by the measurement or weight of gold and silver standards.

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4. "SWISS HOUSEKEEPING," by an experienced housekeeper and, at the same time, an entertaining writer.

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With a view of meeting the demand for a thoroughly reliable book upon the whole South, the MANUFACTURERS' RECORD Co. has just issued a very handsome volume of nearly 500 pages entitled

THE NEW SOUTH;

Its Resources and Attractions.

This book is devoted to an exposition of the South. It gives an accurate and comprehensive description of the Southern States, noting each State separately and giving their distinctive features and most salient characteristics; it tells of their resources and attractions, their present condition and vast possibilities; it treats of topography, soil, climate, woods, watercourses and manufactures; it portrays the attractions to the capitalist and those seeking homes in the South; it shows what the South is, what she has already done in the development of her agricultural and industrial interests, and what she is likely to become by reason of her boundless resources in soil, minerals, climate, rainfall, timber, marls and geographical position, and the vast variety of products possible to a wise and varied husbandry, and a grasp of her rich opportunities for manufactures.

It is a work of great value. No similar publication has ever before been issued in this country. It is just what was needed.

No one North or South desiring to be informed of the advantages and resources of the South, of the more than marvellous progress that is being made, and of the wonderful future of this section, can afford to be without this book.

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worth, Pittsburgh; Joe. Baur, Manistee, Mich.; Jas. Jenks &
Co., Detroit; Wicken Bros., East Saginaw; Adolf Leitelt,
Grand Rapids; E. F. Osborne, St. Paul; Joshua Hendy Ma-
chine Works, San Francisco; Flynn & Emrich, Baltimore;
Forbes, Liddell & Co., Montgomery; Bailey & Leiby, Char-
leston, S. C.; O. B. Goodwin, Norfolk; Rundle, Spence & Co.,
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THE EMPIRE SCROLL SAW.
Cuts 3 in. Thick, Swings 24 in. Has Upright Drill, Tilting Table, Powerful Treadle Motion, Cuts Rapid, and is Easy to Operate.
PRICE, complete, \$25. Without Drill, \$20.
This Machine will pay for itself in a short time—read the following:
JACKSON & LAW, Carpenters and Contractors, BEAVER FALLS, PA., write: We are well pleased with the Empire Scroll Saw. We made a test of its capacity when we had it "on trial," in cutting brackets from 2 inch pine plank, and earned \$4.25 in 6 hours, after deducting the cost of material, computing at the price we would have to pay at the Planing Mill for the same brackets.
Machines sent on Trial. Catalogue Free.

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Cotton Mills

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Desiring a change of business on account of the health of my son, who is superintendent, I offer a

Rare Chance for Investment to Capitalists.

This mill was organized under the general incorporation law of Alabama in 1879, with a capital of \$40,000. Most of its earnings have been invested in enlarging and improving the mill. It has a 125-Horse-Power Engine, made three years ago by William Wright, Newburgh, N. Y., and Two First-Class Steel Boilers, five feet in diameter, sixteen feet long, with forty-six 4-inch flues in each, made last year by Webb & Co., of Chattanooga.

172 THOMAS WOODS' LOOMS

and all necessary machinery, by which its widely-known and justly-celebrated

"Black Warrior Plaids"

are manufactured. With a full line of first-class customers its production is sold several months ahead. The Buildings Alone Cost Over \$25,000, and the Company owns five lots in the rapidly growing city of Tuscaloosa.

The Entire Property of the Company is Exempt from Municipal Taxes for Twelve years.

It has \$70,000 of assets over and above its liabilities, placing buildings and grounds at the low valuation of \$18,000.

I offer 382 shares of the original 400 shares of this Company for \$90,000, half cash, balance in one and two years with 8 per cent. interest, secured by mortgage on the property, and will guarantee it will make and pay a dividend this year of 15 per cent. on the purchase money.

Parties desiring to purchase are invited to inspect the property, and will be requested to examine the books of the Company that they may fully understand the fine opportunity here presented for Manufacturing Cotton Plaids in the South.

J. H. FITTS.

TUSKALOOSA, ALA., March 28, 1887.

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One of fifty (50) arc lamps, one of twenty-three (23), and one of nine (9.)

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The membership of the Company numbers in its composition bankers, brokers, manufacturers, lawyers, journalists, merchants and others, whose high character for business and whose financial standing is a positive guarantee that every proposition made will be faithfully adhered to in detail.

The Company is established upon a business basis, and will be controlled by the strictest business principles. The methods of procedure will conform to such practical and practicable ideas as characterize the most successful and honorable business men of the country. The Company differs from any other ever organized in the South. It does not commence business by flooding the market with stock at a fictitious valuation. It has no stock for sale.

The Lands of the Company comprise a solid body of 800 acres, laying on both sides of the East Tennessee, Virginia & Georgia Railroad, in the northern suburbs of Athens. These Lands have been laid off into wide streets and beautiful lots, preparatory to placing them upon the market, with a view to building a city. The property is a magnificent table land, sufficiently rolling to afford perfect drainage, and commands an excellent view of the valley for miles, and of the Great Smoky Mountains on the east, and the Cumberland Mountains on the West. Upon this property the Company will erect immense Manufacturing Plants, to cost in the aggregate

FIVE HUNDRED THOUSAND DOLLARS,

as a basis for population.

The lots which the Company will sell will be formally placed upon the market on

MONDAY, MAY 16TH, 1887.

All lots are to be sold and deeded under the most positive guarantee that all money paid in on account of sales will go into the hands of a heavily bonded trustee, to be refunded to the purchasers with six per cent. interest if the Company fails in any particular to comply strictly with all its propositions. (See deed.) These include the erection of

One 100-Loom Plaid Mill, estimated cost \$100,000.

One 5-set Woollen Mill, estimated cost \$100,000.

One Cotton Sheeting Mill, estimated cost \$60,000.

One 3,000-spindle Cotton Carpet Warp Mill, estimated cost \$60,000.

One 3,000-spindle Warp (for jeans) Mill, estimated cost \$60,000.

A hotel, to cost \$30,000.

Public School Building, to cost \$10,000.

In addition to the above the Company guarantees Electric Lights, Water Works and Street Car Lines. Negotiations are also now pending with a view to the extension of the new Railroad to the large Coal Fields, 25 miles distant, on the Cincinnati Southern Railroad, thereby connecting the vast Iron Deposits with Coal. This will then give North Athens her Iron Furnaces.

The Water to be supplied to the town will be taken from the famous Ingleside Spring, adjoining the property, and which flows over 3,000,000 of gallons each day of very cold water, clear as crystal.

The Company will also donate sufficient ground for other manufacturing enterprises to any company or person desiring to establish the same upon the Company's property, and in addition will subscribe to stock in them.

In a word, The Athens Mining & Manufacturing Company was organized to build a city, and it proposes to stop nowhere short of a full realization of its original purpose.

Elegant lithograph plates of the property, showing the location of each large mill and the course of both railroads through the town, will be displayed at various points, and may be had upon application. Plans and specifications of the mills and other improvements are now being prepared and can be seen at the office of the company at Athens.

The new Railroad, a survey of which is now being made, will be built at once, and will extend to Tellico, 22 miles distant. This Road will open up the richest

IRON, MARBLE AND LITHOGRAPH STONE

Deposits in the United States. One of the veins of Red Hematite Ore, only seven miles distant, is 74 feet thick by actual measurement, and contains, by careful analysis, 53 per cent. of Metallic Iron and only seven per cent. of silica. This is the most notable, but not all of the iron ore. The line of the Road is literally bound by deposits of Iron, Marble and Lithograph Stone, while the lands contiguous to the Road are covered with dense Forests of all the valuable Timbers, such as Walnut, Cherry, Ash, Linn, Hickory, Oak, Cedar, Poplar, Locust, Pine, Maple, Sycamore, &c. There are many varieties of Marble—white, black and variegated in all the colors—and the quantity is positively inexhaustible. It is expected, of course, that the building of this Road, which is an assured fact, will contribute largely to the growth of the new city which the Company is determined to establish.

Copy of Deed of the ATHENS MINING & MANUFACTURING CO.

In consideration of dollars, cash in hand paid, the receipt whereof is hereby acknowledged, and three notes of even date and equal amount, due respectively in six, twelve and eighteen months, interest from date, we have this day sold and do hereby transfer and convey unto the following described real estate, to wit: Lots Block in North Athens, McMinn county, Tennessee. We covenant with said and his heirs that the same is unincumbered; that we have a good right to convey, forever warrant and defend the title to the same. Lien retained until the purchase money is fully paid. Under this purchase it is guaranteed by the Athens Mining & Manufacturing Company that it will erect and equip, or cause to be erected and equipped, upon the above mentioned property in North Athens, the following manufacturing industries and improvements, to wit:

One Woollen Mill, estimated cost \$100,000.

One Cotton Sheeting Mill, estimated cost \$60,000.

One Cotton Plaid Mill, estimated cost \$100,000.

One Warp Cotton Mill, estimated cost \$60,000.

One Cotton Warp Mill for jeans, estimated cost \$60,000.

One Hotel, estimated cost \$30,000.

One Public School Building, estimated cost \$10,000.

Water Works, Street Car Line and Electric Lights. Also said Company guarantee a Railroad from the E. T. & G. R. R., passing through said North Athens to the ore beds east of Athens. Said company reserves the right to change any or all of the particular lines of industries to be erected, but in no case to lessen the aggregate expenditure of \$500,000. Of the expenditure of the above mentioned \$500,000, the Company binds itself to expend said sum as follows: \$150,000 in twelve months, \$150,000 in twenty-four months, and the remaining \$200,000 in thirty-six months; but reserving unto itself the right to expend same aggregate sum in less time than thirty-six months, should it deem it advisable.

Under the sale and purchase of said Company it is the contract between the vendor and vendee hereto that all money paid in upon the purchase of lots shall go into the hand of a bonded trustee, who shall hold all money subject to the faithful performance of specified guarantees by said company, and in case said company fails to fulfill said guarantees in the time above mentioned, said trustee is to refund the money with six per cent. interest thereon.

For any information regarding sale or plans call on or address J. T. Woodward, President Hanover National Bank, H. W. McElwee, with Inman, Swann & Co., Cotton Exchange Building, New York; Hon. R. L. Bright, President Tellico Iron Company, Geo. W. Ochs, Manager Daily Times, A. W. Chambliss, Chattanooga; M. O. French, Jo. J. Ivins, U. S. Marshall, Capt. Wm. Rule, Editor Journal, Knoxville; R. J. Fisher, Cashier First National Bank, Athens.

J. L. YOUNG, Secretary of the Company, Athens, Tenn.

ESTABLISHED 1852.

CAPITAL STOCK \$125,000.00.

INCORPORATED 1848.

"STILL AHEAD AND BOUND TO WIN."

The James Ohlen & Sons Saw Manufacturing Co.

Standard, Solid and Inserted Too h Saws, Mill, Muley, Gang, Rag, Cross-Cut and Band Saws.

COLUMBUS, OHIO.

WHAT PEOPLE SAY:

GAINESVILLE, VA., Feb. 1, 1887.
 "I am running one of your Chisel-Tooth Saws. Have been working in saw mills for past five years, but never found a saw equal to yours. Please send me a catalogue. *W. A. Williams.*
Wise & Nelson, Jonesboro, Ind., Feb. 1, 1887, write: "The 6-in. gauge solid saw is doing splendid work; inclosed find draft for same. Make and ship us 12 gauge, same hand as other, soon as possible."

B. R. Edwards, Jacksonville, Fla., writes: "Saw received. Has been running steadily and not made one bad line. Draft inclosed."

The Above Cuts Show Our Champion Chisel-Tooth Saw.

It has been thoroughly tested on steam and friction feed, in all kinds of timber, and we guarantee to our patrons perfect satisfaction in every respect. Each set of teeth will cut from 100,000 to 250,000 feet. We advertise only practical possibilities, and stand by what we say, and guarantee that any saws bearing our trade mark (James Ohlen & Sons) are equal, if not superior, to any others in every respect, and will give satisfaction to those using them.

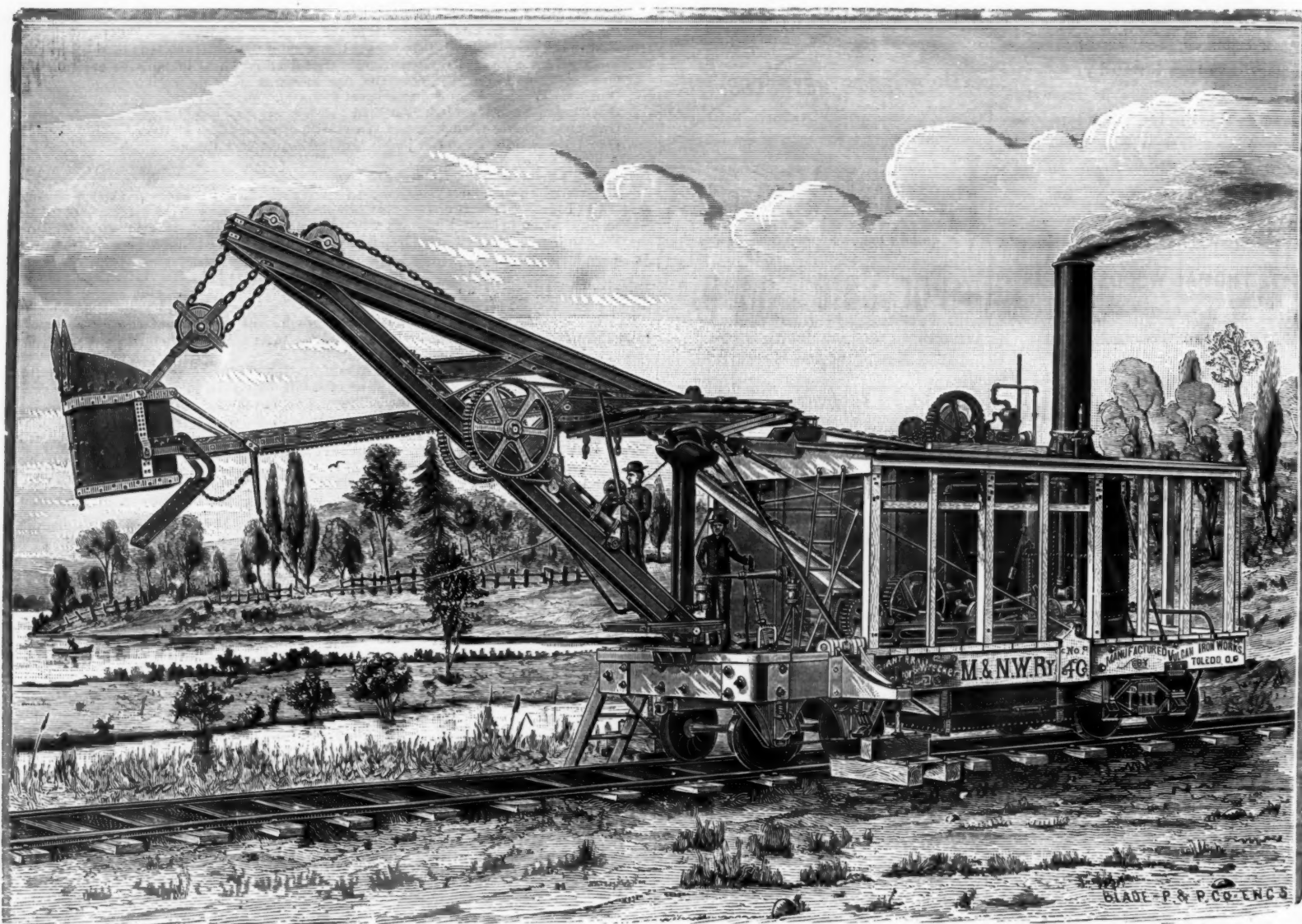
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For Railroad, Mining and Contractors' Use.



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shown in cut is the most COMPLETE, STRONGEST, (being built almost entirely of steel,) and has GREATEST CAPACITY OF ANY EXCAVATOR IN EXISTENCE. Write for full description, testimonials from many railroads, and prices, etc. Remember, WE LEAD.

Buy "THE NEW SOUTH."

HANDSOMELY BOUND
IN CLOTH. PRICE, \$2.50.

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STEEL BOILERS FOR STEAM HEATING
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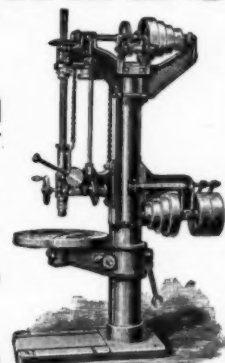
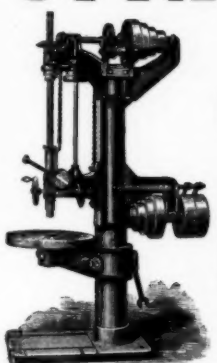
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Heyn Brothers' Portland,
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Cement for Clusters and Floors.
Salt-Glazed Sewer Pipe.
Chimneys, Flue Linings, Stove Pipe, &c
Fire Brick, Ven. Red, Mortar Colors.

WM. WIRT CLARKE & SON, 115 S. Gay Street, Baltimore, Md.

IN PREPARATION.

READY APRIL 1.

Poor's Directory of Railway Officials

FOR 1887.

A SUPPLEMENT TO POOR'S MANUAL OF RAILROADS.

Cloth, 400 Pages, Royal Octavo.

Price, \$2.00 per Copy.

CONTAINING LISTS OF

Officers of all Steam Railroad Companies in the United States and Canada; Officers of all Street Railroad Companies in the United States and Canada; Officers of New Railroads, now in process of construction, with data respecting Location of Line, etc., etc.; Officers of Auxiliary Enterprises—Bridge and Union Depot Companies, Fast Freight Lines, Express, Sleeping-Car and Equipment Companies, etc., etc.; Officers of Industrial Enterprises dependent on the Railway System—Car-Axle Manufacturers, Car Builders, Car-Wheel Manufacturers, Car-Spring Manufacturers, Rail Mills, Locomotive Builders, Bridge Builders, Contractors, etc., etc.; Officers of Associations of Railroad Officials and of Railroad Employees, Pools, Commissions, Boards of Railroad Commissioners, etc., etc.

TO THIS IS ADDED

An Alphabetical Index to the names of all the officials above mentioned, with a convenient system of reference, showing lines with which each is connected; and

An Alphabetical Index to Cities and Towns, by means of which can be ascertained the Names of all Officials in any particular city or town at once.

FOREIGN RAILROADS.

In addition to the information given respecting the railroads of the United States and Canada, the very excellent list of railroads in Mexico, West Indies, Central America, South America and Hawaiian Islands, given in last number of this work, and which proved such an acceptable feature of the book (see below) will be very much improved and elaborated.

COMMENTS OF THE PRESS.

"The least that can be said of this volume is that it is accurate as it is comprehensive; it is far ahead of any publication of the kind which has yet been attempted, and will be an extremely useful work of reference."—*Railroad Gazette*. "Brings within convenient compass most of the information required regarding railway officials."—*Railway News*. "In its way fully as valuable as the MANUAL."—*Boston Commercial Bulletin*. "Of great value to the commercial industries of the country."—*London (Eng.) Economist*. "Useful to those dealing with railroad companies."—*American Machinist*. "Will undoubtedly prove of much value and service to many."—*Iron Age*. "This immense compilation will be useful as a mailing guide. That there is a demand for it is evidenced by its publication: the Poores have a keen scent for success, and know how to make it. The list of railways in Mexico, Central and South America, which concludes this volume, is the nearest and most compact statement of the subject we have seen."—*New Orleans Picayune*.

COMMENTS OF RAILROAD OFFICIALS.

OFFICE OF PURCHASING COMMITTEE, WABASH, ST. LOUIS & PACIFIC RAILWAY, }
185 BROADWAY, NEW YORK, Oct. 5, 1886.

MESSRS. H. V. & H. W. POOR, 70 Wall Street, City.

GENTLEMEN:—I have received a copy of your Directory, and find it to be a very complete and useful work of the kind. The indexes to officials and advertisements are particularly convenient, and when extended, as you propose in the coming year, will make the volume a practical business directory. Purchasing agents and others having these matters to classify will appreciate the great utility of the arrangement. The book ought to be a success.

(Signed) O. D. ASHLEY, Secretary,
Wabash, St. Louis & Pacific Railway Company.

OFFICE OF THE GENERAL PASSENGER AGENT, NEW YORK, LAKE ERIE & WESTERN R. R. Co. }
New York, Sept. 24, 1886.

MESSRS. H. V. & H. W. POOR, Publishers of Poor's Directory, etc., 70 Wall Street, City.

DEAR SIR:—I am in receipt of copy of your Directory of Railway Officials and Railway Directors for 1886, and have examined the same and find it very complete. I am especially pleased with your classified Directory of Advertisements, by which parties desiring any kind of railroad supplies can turn to this index and immediately ascertain the names of parties advertising the kind of supplies they desire to obtain. Yours truly,

(Signed) JNO. N. ABBOTT, General Passenger Agent.

Advertising rates and all other information furnished on application to

POOR'S MANUAL OF RAILROADS,

70 Wall Street, NEW YORK.

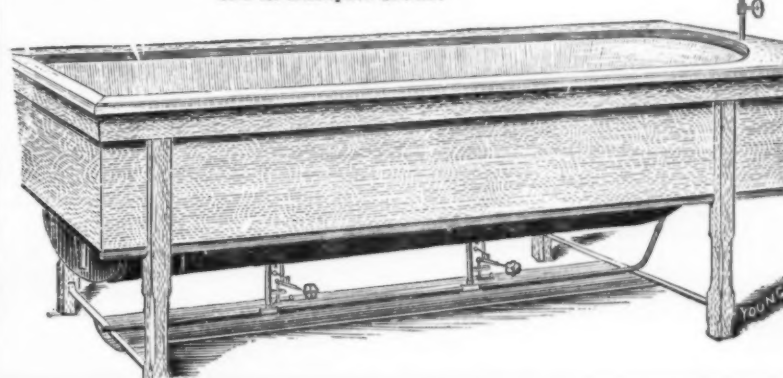
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SPARGER'S White Heat Steel Welding Compound.

- It is superior to borax or anything else.
- It will weld steel to steel as easily as iron is welded to iron.
- It will restore steel when burned.
- It both welds and refines at the same time.
- It never misses welding when heated hot enough.
- It does not waste away steel as does borax and other compounds.

Any tool cracked in tempering can be welded by one application, and I positively guarantee that steel will not crack after it has been worked in the compound. Testimonials of its efficacy in hand from practical machinists in New York, Pittsburgh, Newark and other cities. Sold in bulk at 5 cents a pound. Address

W. A. SPARGER, Bristol, Tenn.

The Brunswick Lands Improvement & Colonization Co.

Subscription Books for the Capital Stock of this Company are now open

At the Offices of the Company, Brunswick, Ga., and at (Room 20) 229 Broadway, N. Y.; (Room 4) 85 Devonshire Street, Boston, Mass., and other Branch Offices of the Company until the 1st day of August, 1887.

The Company is formed under and by virtue of a Charter granted June 19, 1886, to ANDREW J. ROGERS, JAMES M. OLMSTEAD, HENRY S. WELLES, DANIEL W. CLARK, GEORGE E. SMITH, JOHN E. SAUNDERS, and FREDERICK G. BRUNEL, and their associates, in accordance with the Laws of the State of Georgia, to run for twenty years, with the right of renewal, and authorizing a Capital Stock of \$100,000, in shares of \$50 each, with power to increase the same at any time to any amount not exceeding \$10,000,000, payable in either money, or real or personal property that may be utilized in the business of the Company. The Charter is, by comity of the States, made operative throughout the entire country.

THE PRELIMINARY ORGANIZATION

Has been duly effected by electing the following named

OFFICERS.

ANDREW J. ROGERS, Prest. JAMES M. OLMSTEAD, Vice-Prest. GEO. E. SMITH, Sec. FRED'K G. BRUNEL, Treas.

DIRECTORS.

A. J. ROGERS, Brunswick, Ga., and 227 W. 10th St., New York.
JAMES M. OLMSTEAD, 85 Devonshire St., Boston, Mass.
HENRY S. WELLES, 229 Broadway, New York.
GEORGE E. SMITH, 32 Broadway, New York.
FREDERIC G. BRUNEL, Grand Union Hotel, New York.
JOHN E. SAUNDERS, Nashville, Tennessee.
DANIEL W. CLARK, 11 Winthrop Street, Hartford, Conn.
WILLIAM B. BURROUGHS, Brunswick, Ga.

EXECUTIVE COMMITTEE.

ANDREW J. ROGERS, HENRY S. WELLES, FREDERICK G. BRUNEL, WILLIAM B. BURROUGHS.

The said Officers and Directors to hold over until the First Meeting of the Stockholders.

INCREASE OF THE CAPITAL STOCK:

In order to promptly acquire ample areas of Land and Harbor Water frontage, for colonization, wharfing and other purposes, as well as obtaining sufficient funds for carrying out the several objects of the Company, the Directors have duly voted an increase of the Capital Stock from \$100,000 to \$3,000,000, payable in either money or in any real or personal property that may be utilized in the business of the Company, (as provided in the charter,) and have authorized the opening of Subscription Books for said \$3,000,000 of Capital Stock.

EUROPEAN CO-OPERATION.

The President of the Company has perfected arrangements with competent European parties whereby they agree to subscribe, or cause to be subscribed, two-thirds of said \$3,000,000 of Capital Stock, provided the other one-third of said Stock is duly subscribed in America, and to pay in \$200,000 for every \$100,000 thereof that shall have been so subscribed in America and paid into the treasury of the Company.

TRANS-ATLANTIC STEAMSHIP LINE.

The President of the Company has also arranged with competent European ship owners for promptly putting on and maintaining a Trans-Atlantic Steamship Line between the port of Brunswick, Ga., and ports in the United Kingdom; said line to comprise a fleet capable of doing all the trans Atlantic shipping business of the Company, and to be put on as soon as the Company announces itself ready with freights, etc., for trans-Atlantic shipment.

THE GENERAL ENTERPRISE

Comprises the building up and maintaining an extensive domestic and foreign trade at and through the city and port of Brunswick, Ga., and corresponding ports, and engaging in a general system of Lands Improvement, particularly including the building up, extending and beautifying the city and suburbs, and improving and perfecting the Harbor of Brunswick for maritime commerce, and generally aiding in developing the agricultural, mineral and other natural resources of, and settling the surrounding districts and corresponding sections of the interior, with the view to participating in the general benefits and increase in value of properties accruing from such developments and improvements, and to inaugurate and conduct

BUREAUS OF COLONIZATION AND INDUSTRY

As special departments of the General enterprise for commercially engaging in such systems of Colonization and Co operative Industries as will, from time to time, aid in relieving the Labor Markets of all surplus artisans and other workers, including the worthy, able bodied indigent classes, by drawing them off and settling or aiding them in settling and getting fairly started on alternate lots of the Company's Lands, in suitable rural and growing village districts, or so employing or aiding them to find such suitable employment as will make them reciprocally useful to the Company and ensure their becoming self-sustaining and prosperous constituents of the commonwealth, and finally reimbursing the Company with fair profits for all such assistance, thus materially aiding in freeing society of its worthy, able-bodied, destitute and suffering industrious classes by reclaiming them from all anarchical tendencies, and thence through their own prosperity readjusting them as good, law-abiding and patriotic citizens of the Commonwealth.

THE COMMERCIAL DEPARTMENT.

With the foregoing objects in view, the Company will engage in the following enterprises, taking them up and carrying them forward in such business order as will ensure the prosperity of every department of the General Undertakings, beginning with The Commercial Department proper, it being the only medium through which the more benevolent and humane purposes can be successfully carried into effect with profit to the Company. The Directors are already assured of a large paying business from the commencement of active operations in the following specified enterprises, in which the Company will be constantly turning over its funds and realizing from 5 per cent. upwards of net profits every sixty or ninety days. Viz: A General

TRANS-ATLANTIC AND COASTWISE SHIPPING BUSINESS,

Including storing, wharfing and forwarding at and through said port and corresponding ports, and the sending of goods and other valuables through in bond or by through bills of lading to and from any and all points; the advancing of money on bills of lading and on goods and other property in store; and acting as merchants and general agents, and doing a banking and general commission business. In these departments alone the Company will find constant, active, safe and profitable employment for a considerable amount of its capital, thereby ensuring fair dividends from the start.

OTHER SOURCES OF REVENUE.

By judicious purchases, both in respect to price and locality of lands, as well as the suitability of the climate, and thence properly settling immigrants on alternate lots thereof, carefully reserving every alternate farm or section for sale later on, the Company could reasonably expect to realize from 10 to 25 per cent. net on sales of the first alternate farms or other lots, and thence, in future further realizing from 100 to 500 per cent. and upwards from the ultimate sales of the reserved building lots, farms or sections. This plan carried out on a commensurate scale would of itself, without risk of the capital invested, enrich any well-managed company.

GENERAL LANDS IMPROVEMENT DEPARTMENT.

To buy, own and sell lands and deal in real estate and leaseholds generally, and to engage in a general system of Lands Improvement, particularly including the building up, extending and beautifying the City of Brunswick and Suburban districts, and generally developing and settling the surrounding country; the establishing and settling colonies in the interiors of the various States, and parts of States, wherein immigrant settlers and other industrial classes are needed; laying out and building up villages, towns, and cities; making roads, streets and all necessary and profitable improvements; aiding in the fuller development of the vast agricultural, mineral and other

NATURAL RESOURCES OF THE SOUTH,

Southwest and corresponding sections; the breeding and rearing of horses, mules, cattle and live stock generally, for home and foreign markets; the laying out, improving, stocking and working farms of all kinds; developing water powers for manufacturing, milling and other purposes; opening and working coal, iron and other mines, and marble and stone quarries, with a view to making money by profitably employing the idle, and making homes and livings for the worthy, able-bodied indigent classes, as well as making the several properties productive and generally enhancing the values thereof and making them more saleable. In fact, the company offers

SAFE AND PROFITABLE INVESTMENTS

In every department of the General Enterprise, basing the stability of the entire Capital Stock not only upon the General Business of the Company but upon real estate carefully chosen for its intrinsic worth, its suitability for the purposes of the Company and its improvable qualities and possible continual enhancement in value from direct and surrounding improvements.

For a fuller statement of the PURPOSES and PLANS of the Company, see the Charter and Prospectuses, Documents Nos. 1, 2 and 3 of the Company's pamphlets, which can be obtained at the Offices of the Agents, or from any of the Officers of the Company.

FORMS OF APPLICATION

For Stock on the part of those who may desire to subscribe to the Capital Stock, but are unable to reach the Agent or Officer in charge of the Subscription Books, will, on application in writing to such Agent or Officer, or to the President of the Company, be forwarded, together with the necessary instructions for securing the number of Shares such Applicant may desire or that may be allotted to him or her.

PROPOSALS FOR TRANSFERRING LANDS

Or other available property in exchange for Stock in the Company will be entertained, and the suitability, quality and value of the property and titles thereto will be duly examined by proper experts in the interest of the Company; but all such proposals must be submitted in writing to an Agent or Officer, or to the President of the Company on or before the 1st day of August next, and must be accompanied with a full description, giving all particulars, including the situation and value of such property.

ANDREW J. ROGERS, Prest. B. L. I. & C. Co.
BRUNSWICK GA.

BROWN & KING, MANUFACTURERS OF COTTON MILL SPECIALTIES.

Roller Covering, Loom Pickers and Strapping.

Dealers in Roller Coverers, Stock and Tools; Cotton and Woolen Mill Supplies

Full Line "Hick's" United States Standard Ring Travelers, Mill Wire Goods, Spring Cotters, Belt Hooks, Lacing, &c., kept constantly on hand.

Wrought Iron Pipe Fittings and Brass Goods. Southern Agents for the celebrated "B. C. & D. Oak Tanned Patent Lap Belting, Galvin Compound Wedge Gate Valve Imhauser's Watchman Time Detectors, Diamond Emery Wheel Machine Co., &c.

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THE RICHMOND Fire Alarm, Police and Patrol TELEGRAPH SYSTEMS.

Adopted by the Most Progressive Cities in the United States.

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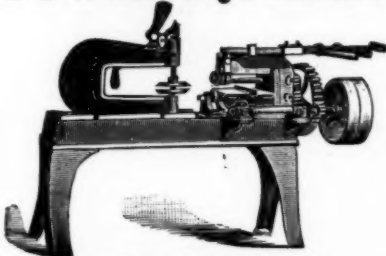
THE RICHMOND FIRE ALARM CO.

Correspondence Solicited. RICHMOND, IND. Send for Catalogue.

NIAGARA STAMPING & TOOL CO.

Manufacturers of Machinery for Shearing Metal in all its Various Forms.

POWER SQUARING CIRCLE SHEARS



Power Circle and Slitting Shears No. 205.

POWER SLITTING SHEARS,
POWER CHOPPING SHEARS,

For Tack and Nail Plate, and for Cutting Steel for Cutlery Works.

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BUFFALO, N. Y.

Send for our complete Illustrated Catalogue and Price List, and Mention this Paper.

COLEMAN HARDWARE CO.

Sole Manufacturers of the

SHUMARD Sash Balance.

NO WEIGHTS, NO CORDS, NO PULLEYS,
NO BOX FRAMES.

Balances the Sash perfectly, and runs as Easily as Weights. Easily applied to any WINDOWS, and is Simple, Durable, Reliable and Practical in Every Way.

We make many other Hardware Specialties, and mention particularly the now famous

Nickel Barn Door Hangers,

Ribbed Bessemer Steel Frames, Hot Bent.

Guaranteed Satisfactory to user. Send for Circulars and Prices.

COLEMAN HARDWARE CO.

(Formerly OHIO BUTT CO.)

55 Dearborn St., - CHICAGO, ILL.

Please mention this paper.

LOOK THROUGH the advertising pages carefully. They contain the announcements of the largest and most reliable houses in the country manufacturing and dealing in machinery of all kinds, mill, factory, mine and railroad supplies, hardware, roofing, builders' material, etc. If in need of anything herein advertised, write to the advertisers for catalogues, prices, &c.

Business Chances.

WANTED.—A sober, experienced and thoroughly competent mine boss, to open up and superintend inside working of coal mine. Must give references and state salary expected. Address W. P. Laramore, Trout Creek, Ala.

A FINE OPPORTUNITY.—Wanted a partner with capital to start a daily paper in a booming Southern city with 12,000 population. Have a paying and prosperous weekly with between 3,000 and 4,000 circulation and best advertising patronage in the State. Good job office, with type, presses and fixtures and paying patronage. Whole plant worth about \$6,000. Paper long established; demand for daily pronounced. A young man preferred, but a man with some capital is wanted who is willing to follow his money into the business and look after it. Address, E. A. O., care MANUFACTURERS' RECORD.

WANTED.—A practical pattern maker, capable of making ordinary drawings, with some experience in millwrighting and machine work; also, a practical man capable of selling and erecting wind-mills. Address, Progress Engine & Machine Works, Summerfield, Baltimore county, Md.

COTTON PRESS.—I have completed model of a cotton press which possesses substantial merit over any press ever put on market. The advantages are economy in packing power, dispatch of work and ease of management. Not being able to handle it, I desire to dispose of the invention. Correspondence solicited. A. H. Harrington, Harrington P. O., N. C.

WANTED.—A man capable of selecting, preparing and rolling in plug tobacco factory. Must be sober and bring good references. Address C. Whittier, Whittier, N. C.

WANTED.—A man with a small capital and thoroughly acquainted with furniture manufacturing, to take one-half interest in a factory now being built at Sheffield, Ala. Address Z. T. Spencer, Sheffield, Ala.

A PARTNER WANTED with \$8,000 to \$10,000 capital to assist in carrying on the business of a first-class machine shop, with good business prospects, located in Atlanta, Ga. Address all inquiries to Box 597, Atlanta, Ga.

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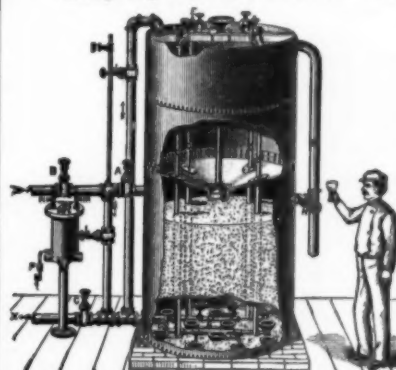


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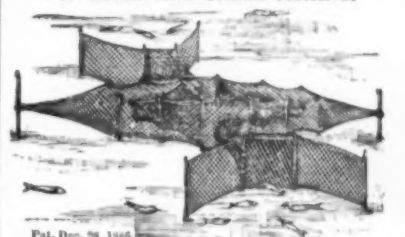
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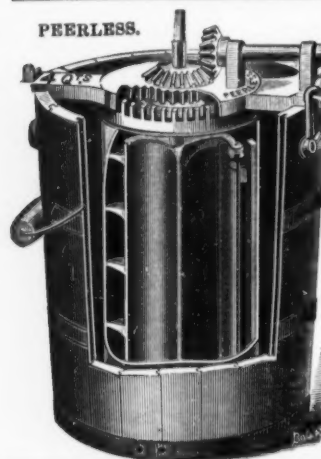
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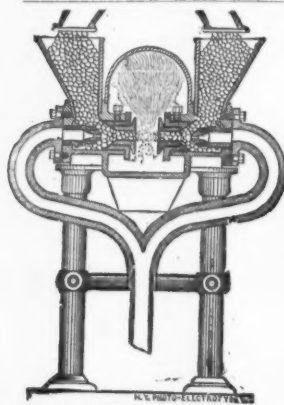
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1074 quart, \$271.75; 1076 quart, \$272.25; 1078 quart, \$272.75; 1080 quart, \$273.25; 1082 quart, \$273.75; 1084 quart, \$274.25; 1086 quart, \$274.75; 1088 quart, \$275.25; 1090 quart, \$275.75; 1092 quart, \$276.25; 1094 quart, \$276.75; 1096 quart, \$277.25; 1098 quart, \$277.75; 1100 quart, \$278.25; 1102 quart, \$278.75; 1104 quart, \$279.25; 1106 quart, \$279.75; 1108 quart, \$280.25; 1110 quart, \$280.75; 1112 quart, \$281.25; 1114 quart, \$281.75; 1116 quart, \$282.25; 1118 quart, \$282.75; 1120 quart, \$283.25; 1122 quart, \$283.75; 1124 quart, \$284.25; 1126 quart, \$284.75; 1128 quart, \$285.25; 1130 quart, \$285.75; 1132 quart, \$286.25; 1134 quart, \$286.75; 1136 quart, \$287.25; 1138 quart, \$287.75; 1140 quart, \$288.25; 1142 quart, \$288.75; 1144 quart, \$289.25; 1146 quart, \$289.75; 1148 quart, \$290.25; 1150 quart, \$290.75; 1152 quart, \$291.25; 1154 quart, \$291.75; 1156 quart, \$292.25; 1158 quart, \$292.75; 1160 quart, \$293.25; 1162 quart, \$293.75; 1164 quart, \$294.25; 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1258 quart, \$317.75; 1260 quart, \$318.25; 1262 quart, \$318.75; 1264 quart, \$319.25; 1266 quart, \$319.75; 1268 quart, \$320.25; 1270 quart, \$320.75; 1272 quart, \$321.25; 1274 quart, \$321.75; 1276 quart, \$322.25; 1278 quart, \$322.75; 1280 quart, \$323.25; 1282 quart, \$323.75; 1284 quart, \$324.25; 1286 quart, \$324.75; 1288 quart, \$325.25; 1290 quart, \$325.75; 1292 quart, \$326.25; 1294 quart, \$326.75; 1296 quart, \$327.25; 1298 quart, \$327.75; 1300 quart, \$328.25; 1302 quart, \$328.75; 1304 quart, \$329.25; 1306 quart, \$329.75; 1308 quart, \$330.25; 1310 quart, \$330.75; 1312 quart, \$331.25; 1314 quart, \$331.75; 1316 quart, \$332.25; 1318 quart, \$332.75; 1320 quart, \$333.25; 1322 quart, \$333.75; 1324 quart, \$334.25; 1326 quart, \$334.75; 1328 quart, \$335.25; 1330 quart, \$335.75; 1332 quart, \$336.25; 1334 quart, \$336.75; 1336 quart, \$337.25; 1338 quart, \$337.75; 1340 quart, \$338.25; 1342 quart, \$338.75; 1344 quart, \$339.25; 1346 quart, \$339.75; 1348 quart, \$340.25; 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20-inch.	18.21	49.00	.8532
25-inch.	17.90	68.62	.8584
30-inch.	11.65	52.54	.8676

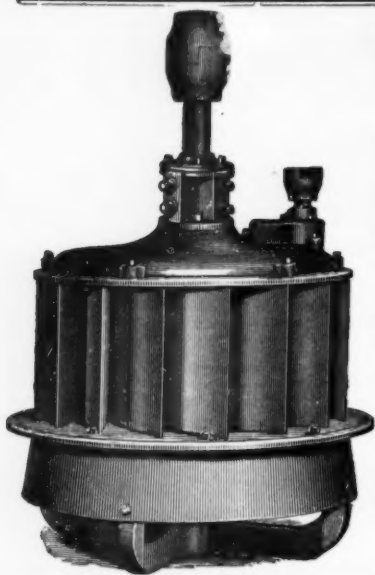
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SCREWS.

Standard new list, Feb. 15.

Flat Head Bright.....75
Round Head Bright.....70
Flat Head Brass.....65
Round Head Brass.....65
Flat Head Blue (add 5% to net).....75
Continental Flat Head.....80
Coach and Silver Capped.....40
Japanned Flat Head.....70
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No. 20.....dis 75
No. 21.....dis 75
No. 22.....dis 75
No. 23.....dis 75
No. 24.....dis 75
No. 25.....dis 75
No. 26.....dis 75
No. 27.....dis 75
No. 28.....dis 75
No. 29.....dis 75
No. 30.....dis 75

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No. 6 1/2. " " 2 doz sets, Nickel, \$9.50

No. 8. " " 2 doz sets, Nickel, \$10.00

No. 8 1/2. " " 2 doz sets, Nickel, \$10.50

No. 10. " " 2 doz sets, Nickel, \$11.00

No. 10 1/2. " " 2 doz sets, Nickel, \$11.50

No. 12. " " 2 doz sets, Nickel, \$12.00

No. 12 1/2. " " 2 doz sets, Nickel, \$12.50

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No. 14 1/2. " " 2 doz sets, Nickel, \$13.50

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No. 20 1/2. " " 2 doz sets, Nickel, \$16.50

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No. 22 1/2. " " 2 doz sets, Nickel, \$17.50

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No. 32 1/2. " " 2 doz sets, Nickel, \$22.50

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No. 40 1/2. " " 2 doz sets, Nickel, \$26.50

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No. 44 1/2. " " 2 doz sets, Nickel, \$28.50

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Cigar Box Nails.....45
Finishing Nails.....60
Trunk and Clout Nails.....60
Tinned Trunk and Clout Nails.....60
Basket Nails.....60
Chair Nails.....60
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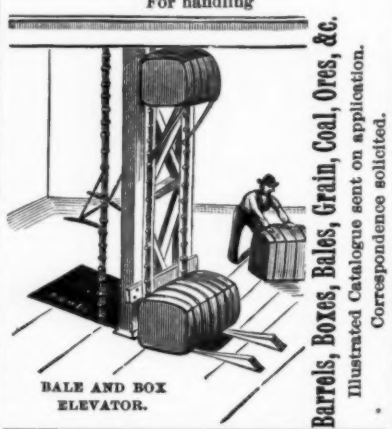
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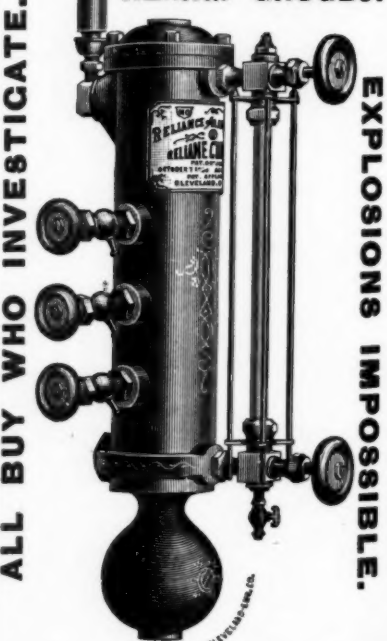
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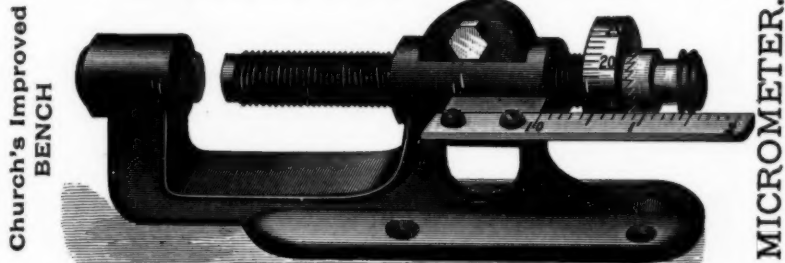
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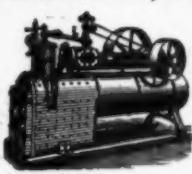
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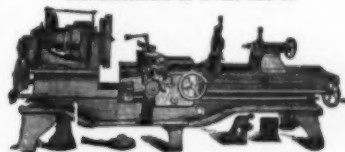
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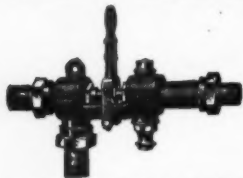
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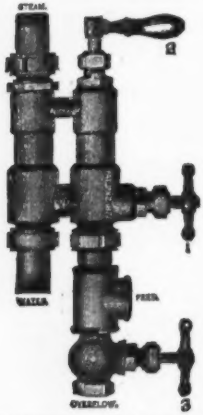
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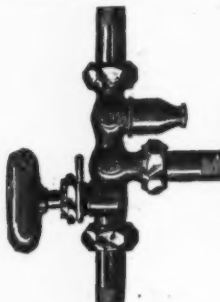
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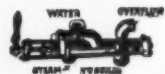
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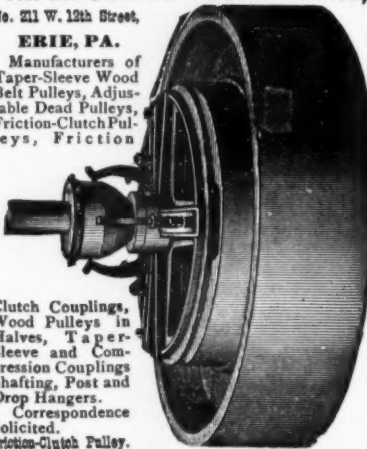
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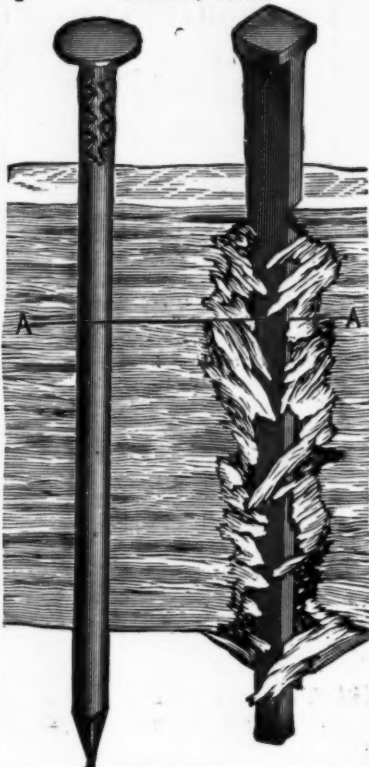
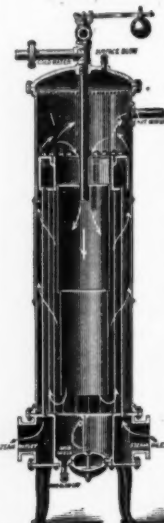
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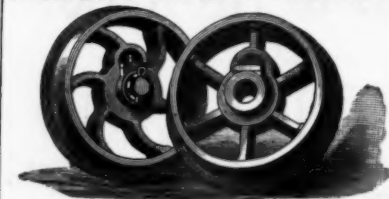
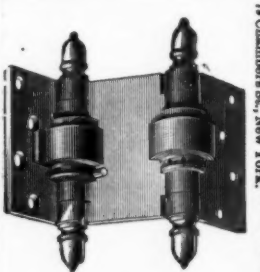
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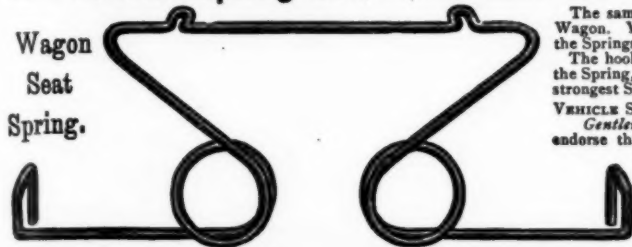
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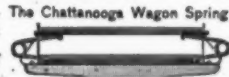
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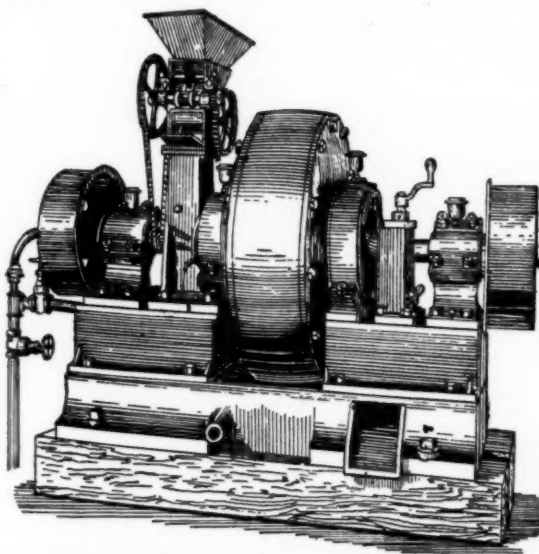
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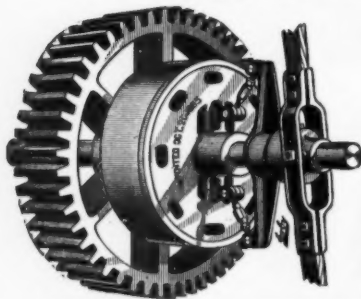
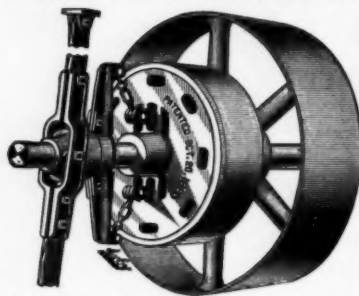
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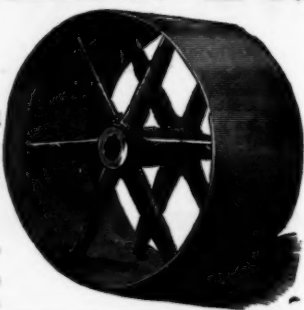
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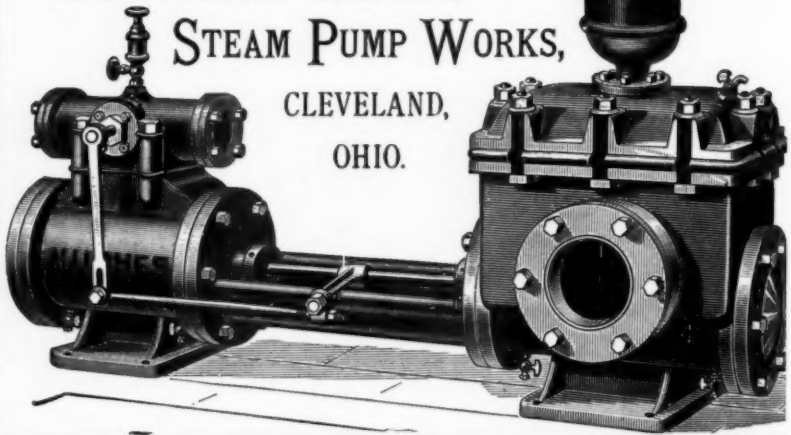
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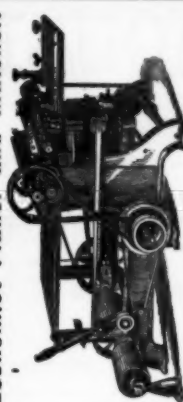
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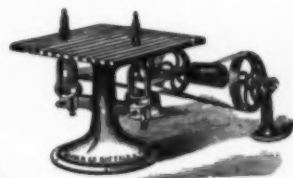
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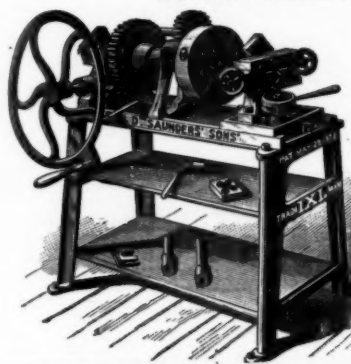
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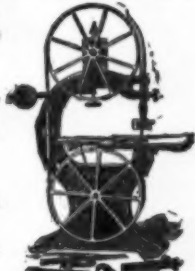
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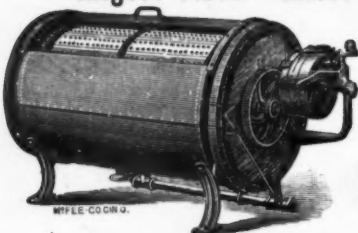
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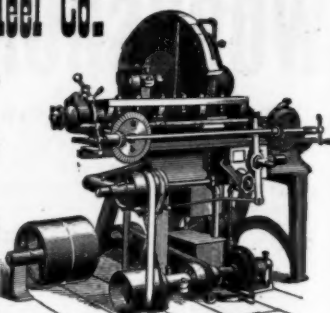
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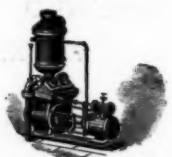
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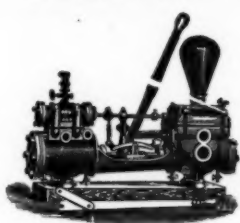
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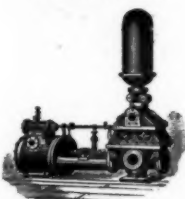
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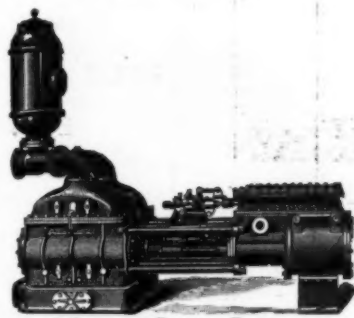
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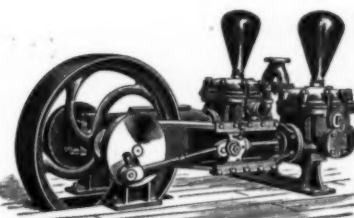
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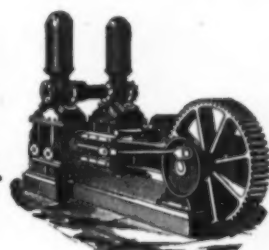
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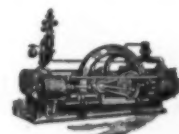
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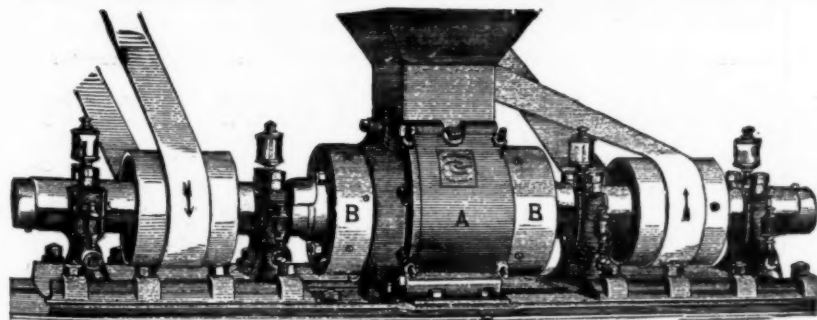
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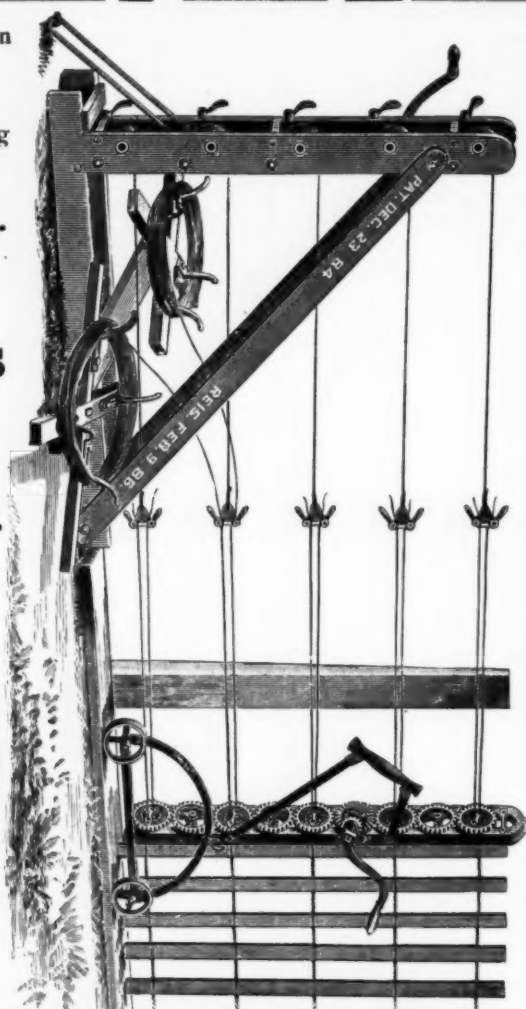
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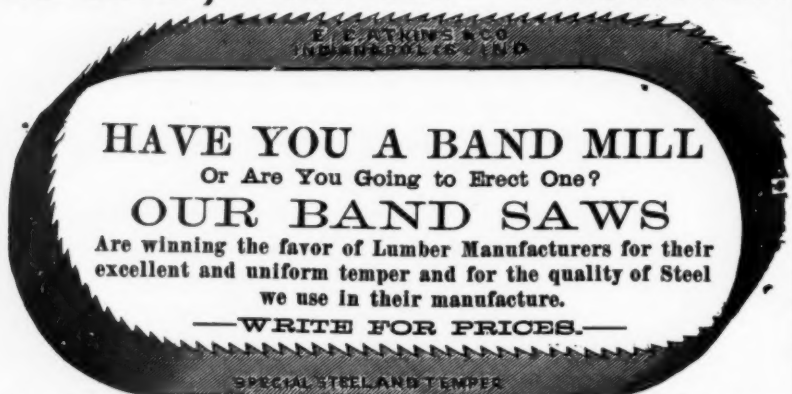
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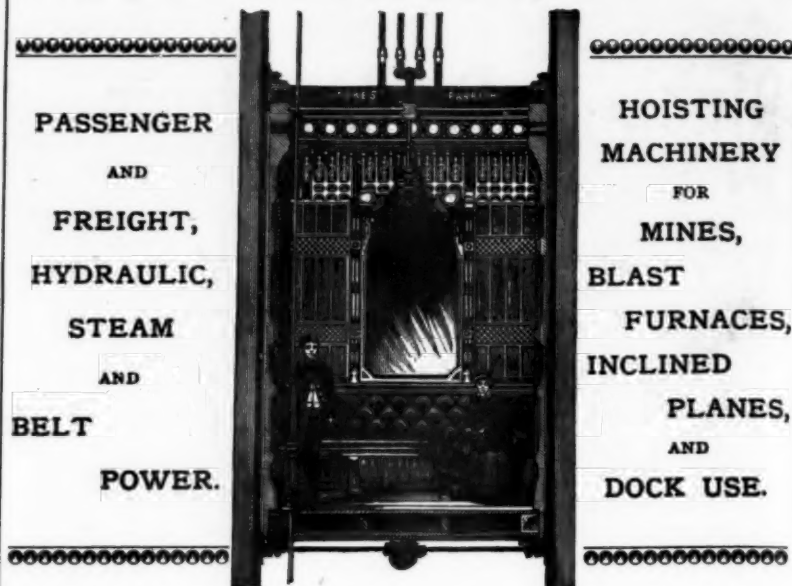
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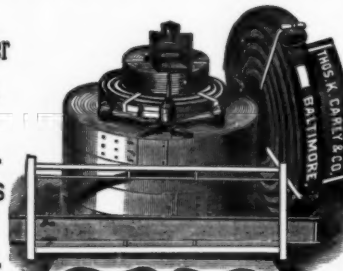
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